California Community Colleges

Taxonomy of Programs

February 2004
6th Edition

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Academic Affairs Division
Curriculum and Instructional Unit
California Community Colleges Chancellor's Office

This 6th Edition of the Taxonomy of Programs (TOP) was prepared under the direction of Dona Boatright, Interim Vice Chancellor for Educational Services, and LeBaron Woodyard, Dean of Academic Affairs and Instructional Resources. The primary author was Charlie Klein, Specialist in Academic Planning.

The first printing was February 2004. This reprinting of November 2004 corrects some errors and makes some revisions necessary for data consistency. A list of all the corrections will be found on p. viii of the Introduction. In addition, crosswalk tables from the 5th to the 6th edition of the TOP and from the 6th edition of the TOP to the federal Classification of Instructional Programs (CIP) have been added as appendices. In July 2013, additional minor corrections were made.

Questions about the Taxonomy may be directed to curriculum@cccco.edu. Suggestions for future revisions or additions are welcome.

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California Community Colleges
Taxonomy of Programs
Sixth Edition

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Taxonomy of Programs
Sixth Edition—Corrected Version, November 2004

INTRODUCTION

What Is the TOP?

The Taxonomy of Program (TOP) is a system of numerical codes used at the state level to collect and report information on programs and courses, in different colleges throughout the state, that have similar outcomes. At the college level, local program titles often differ substantially from college to college. For example, one college has a program called "Mechanized Agriculture," another has a program called "Agriculture Engineering Technology," and a third has one called "Agriculture Equipment Operations & Maintenance." Because they have similar outcomes, information on all three is collected and reported at the state level under TOP code 0116.00, which carries the standardized title "Agricultural Power Equipment Technology."

The TOP was designed to aggregate information about *programs*. However, a TOP code must also be assigned to every *course* in our system.[1] Although the TOP does not contain as many specific choices as would a system designed for courses, each course should be given the TOP code that comes closest to describing the course content.

What the TOP Is Used For

TOP codes and titles serve a variety of purposes at the state level. For example, they are used:

- in the Inventory of Approved and Projected Programs, to make information available about where programs of particular types are offered around the state;
- in the Management Information Systems database, to collect and report information on student awards (degrees and certificates) issued in particular types of programs;
- in the Management Information Systems database, to collect and report information on enrollment and Full Time Equivalent Students (FTES) in courses within particular curriculum categories; and,

[1] Definitions and rules for program and course approval can be found in the *Program and Course Approval Handbook* published by the Chancellor's Office.

- in Vocational Education accountability reports on program completions and course success in particular types of vocational programs.

There are also some state purposes for which only the first two digits of the Taxonomy, the most general level of classification, are used. For example:

- In reports on staffing, the teaching assignment of each classroom faculty member is characterized by the two-digit TOP discipline of most of the courses he or she teaches.
- In budget reports, spending on instructional programs is broken down by two-digit TOP discipline.
- In facilities planning, assignable square feet for laboratories varies according to the TOP discipline.

Certain data collected by TOP codes are also reported by the Chancellor's Office to the federal government. For this to happen, the data must be converted to the system of classification used by the U.S. Department of Education, which is called the Classification of Instructional Programs (CIP). A "crosswalk table" from TOP to CIP is used for this purpose. (See Appendix B.)

What the TOP Is Not Intended For

Because it is a convenient and uniform system of classification, the Taxonomy of Programs has been used within districts and colleges for various local purposes. None of these uses is mandated by law or suggested by the Chancellor's Office. In some cases, the fit between the TOP structure and local organizational or educational needs is not very good. The belief has developed among some people that the TOP controls various aspects of college and district operations. To the extent this is so, it is only so by local college or district choice. No State rule imposes the TOP for local purposes. For example:

- The TOP does not control faculty minimum qualifications or faculty service areas. These are controlled by the minimum qualifications "disciplines lists" adopted by the Board of Governors upon the recommendation of the Academic Senate. The disciplines lists are not based on the TOP.
- The TOP is not intended to have any effect on faculty load calculations or faculty compensation.
- The TOP does not control how a college organizes its departments or divisions, or which programs are placed under which divisions.
- The TOP does not control how local instructional budgets are allocated.
- The TOP should not influence how local program review is conducted.

History of the Taxonomy

The Taxonomy of Programs was first published in 1979. It was designed by Chancellor's Office staff, and is used only by the California Community College system. The taxonomy was originally based on a 1973 publication of the Chancellor's Office called the "Classification of Instructional Disciplines," which in turn, had been drawn from the federal government's Higher Education General Information Survey (HEGIS).

On the federal level, the HEGIS discipline categories were replaced in 1979-80 by the "Classification of Instructional Programs" (CIP), produced by the U.S. Department of Education's National Center for Education Statistics. The CIP became the system of program nomenclature generally used in higher education data reporting, except in the California Community College system. Since then, the CIP has been revised three times: in 1985, 1990, and 2000. It can be viewed on the World Wide Web at **http://nces.ed.gov/pubs2002/cip2000**.

On the California Community College level, the TOP was revised in 1981, 1982, 1983, and 1995. In 1999 and 2000 individual change pages were issued to correct minor errors and to add vocational asterisks to a few codes. Asterisks were first introduced in the fourth edition (1983) in order to designate programs within which the enrollments are countable for purposes of supplemental apportionments from the federal Vocational Education Act (now called the Carl D. Perkins Vocational and Technical Education Act). They now also mark programs in which student completions are tracked for accountability purposes under various federal and state vocational education mandates.

Changes in the 6th Edition

The present edition was prepared primarily by staff of the Academic Affairs and Instructional Resources unit within the Chancellor's Office, with substantial assistance from field organizations in particular disciplines—most especially, the statutory statewide advisory committees for vocational education disciplines. This edition attempts to offer a structure that reflects, within reasonable limits, the way educational programs are actually organized and named by the 109 California community colleges. In preparing it, staff relied heavily on a tool which was not available for any previous edition: the computerized Inventory of Approved and Projected Programs, which includes all State-approved certificates and degrees in our system. The types of changes that have been made include:

- **Some codes have been renamed**

  Most renamings are the result of evolution in the nature of particular occupations, or in the terminology practitioners and teachers use to identify their discipline. Here are a few examples:

TOP Code	5th Edition Title	6th Edition Title
0514.00	Secretary/Administrative Assistant	Office Technology/Office Computer Applications
06	Communications	Media and Communications
0945.00	Mechanical Technology	Industrial Systems Technology and Maintenance
0958.00	Sanitation and Public Health Technology	Water and Wastewater Technology
1301.00	Consumer Education and Home Economics	Family and Consumer Sciences
2135.00	Environmental Hazardous Material Control Technology	Environmental Technology (T.O.P. change to 0303.00)

- **Codes have been added for new occupations.**

  Advances in technology and social changes have created new types of programs that did not exist, or were not offered in community colleges, at the time of previous editions. New codes added in this edition include:

*Dairy Science
*Equine Science
*Viticulture, Enology, and Wine Business
*Nursery Technology
*Turfgrass Technology
*Food Processing and Related Technologies
*Wildlife and Fisheries
*Landscape Architecture
Environmental Science
Natural History
*Tax Studies
Business Administration
*Small Business and Entrepreneurship
*Retail Store Operations and Management
*E-Commerce (business emphasis)
*Escrow
*Office Management
*Customer Service
*Broadcast Journalism
Film Studies
Film History and Criticism
*Film Production
*Digital Media
*Multimedia
*Electronic Game Design
*Website Design and Development
*Animation
*Desktop Publishing
*Computer Graphics and Digital Imagery
*Software Applications
Computer Science (transfer)
*Computer Software Development
*Database Design and Administration
*Computer Networking and Infrastructure
*Computer Networking
*Computer Support
*World Wide Web Administration
*E-Commerce (technology emphasis)
*Fitness Trainer
*Coaching
*Aquatics
*Adapted Physical Education
Recreation
Sign Language
*Sign Language Interpreting
*Computer Electronics
*Telecommunications Technology
*Railroad and Light Rail Operations
*Truck and Bus Driving
*Alternative Fuels and Advanced Transportation Technology
*Recreational Vehicle Service
*Aircraft Fabrication

*Architectural Drafting
*Civil Drafting
*Mechanical Drafting
*Commercial Dance
Vietnamese
Korean
*Electrocardiography
*Clinical Medical Assisting
*Administrative Medical Assisting
*Health Facility Unit Coordinator
*Polysomnography
*Health Information Coding
*Paramedic
*Community Health Care Worker
*Massage Therapy
*Parenting and Family Child Care
*Foster and Kinship Care
*Lodging Management
*Resort and Golf Management
Linguistics
Language Arts
Behavioral Science
*Public Works
*Disabilities Services
*Forensics, Evidence, and Investigation
*Wildland Fire Technology
*Legal and Community Interpretation
*Geographic Information Systems
American Studies
International Studies
Area Studies
*Aviation and Airport Management
*Air Traffic Control
Transfer Studies
Liberal Studies

Many of the new programs were added in two disciplines: 06, Communications (to be retitled "Media and Communication") and 07, Computer and Information Sciences (to be retitled "Information Technology"). Rapid technological change caused a great expansion of program titles offered by the community colleges within these disciplines. It was decided to place TOP codes for many of the new interdisciplinary programs that have resulted from the interaction of computers and art or communications skills, such as Multimedia, Web Design, and Desktop Publishing, into the 06 discipline. In the 07 discipline, new codes were introduced for the new computer technology-based programs, such as Software Development, Database Design and Management, Computer Networking, and Web Administration.

- **Misaligned hierarchies have been corrected.**

  In the 5th edition, a few incongruous hierarchical alignments persisted from earlier editions. The 6th edition corrects these circumstances by establishing separate four-digit TOP codes for programs that had been inappropriately listed as 5-digit subcategories under 4-digit headings that were either unrelated, or did not have the breadth to encompass them. Examples include:

  - 0958.30, "Industrial Safety Technology", had been listed as a 5-digit subcategory under 0958.00, "Sanitation and Public Health Technology." Actually, Industrial (or Occupational) Safety has nothing to do with Sanitation and Public Health. In the 6th edition, it has been given its own 4-digit identifier.
  - 1204.10, "Dental Assistant", and 1204.20, "Dental Hygienist", had been listed as subcategories under 1204.00, "Dental Technician." A dental technician is defined as someone who makes dental prostheses or appliances in a laboratory. In the 6th edition, "Dental Laboratory Technician" has been given the new

subcode 1240.30, and Dental Assistant, Dental Hygienist, and Dental Laboratory Technician have all been listed as separate 5-digit codes on an equal hierarchal level, under a general group heading 1240.00, "Dental Occupations."

- Licensed Vocational Nurse (1230.20), Certified Nurse Assistant (1230.30), and Medical Assistant (1208.00) had all been listed as subcategories under the fifth edition's 1203.00, "Nursing, R.N." In the 6th edition, the Nursing series has been renumbered so that Registered Nursing and Licensed Vocational Nursing are on equal hierarchical levels; and Medical Assisting has been removed from the series.

- **One new discipline has been created.**

  One new full discipline has been created at the two-digit level. It is 03, "Environmental Sciences and Technologies." It would subsume three codes from the 5th TOP edition: 0420.00, "Ecology"; 1901.10, "Environmental Studies"; and 2135.00, "Environmental Hazardous Material Control Technology."

  Chancellor's Office staff recommended this new discipline because environmentally related transfer programs cannot be properly identified as belonging either to the biological sciences (04) or to the physical sciences (19). In addition, some of the numerous occupational programs in Environmental Technology in our system have evolved considerably beyond their early function of training workers to clean up hazardous material spills. They now overlap with the transfer programs in that some of them include substantial amounts of science and public policy coursework.

  The new discipline would contain only three TOP codes: 0301.00 "Environmental Science" (transfer programs that emphasize the natural sciences), 0302.00 "Environmental Studies" (transfer programs that emphasize social sciences and public policy issues), and 0303.00 "Environmental Technology" (vocational programs that prepare for a range of environmental management and pollution control jobs).

Structure of the Taxonomy

The TOP is a classification of disciplines, subdisciplines, and fields using a six-digit code. However, except in the 4930 ("General Studies") series, the last (sixth) digit is always a null (zero) for State purposes. It may be assigned a value by colleges or districts for their local purposes. (Within the 4930 series, codes are intended to describe stand-alone courses, rather than programs, and TOP distinctions are recognized for State purposes at the sixth-digit level.) Thus, the significant levels of structure for describing programs are the two-digit level, the four-digit level, and the five-digit level. This three-level structure parallels the federal Classification of Instructional Programs system.

Discipline*.* The most general level of the taxonomy consists of 24 disciplines. This level is indicated by the first two digits of the six-digit code. Although data are

aggregated to this two-digit level for some State purposes, this number is not adequate to characterize the objectives of occupational programs nor of course subject matters specifically enough to be useful for most other purposes. Programs cannot, therefore, be reported with only two digits; but must be placed within a four-digit or five-digit category as described below.

Subdiscipline*.* The next level of the taxonomy is indicated by the third and fourth digits of the six-digit code. These numbers indicate logical subsets of the 24 disciplines. When categorized at this level, programs are assigned a TOP code whose first four digits are meaningful and whose last two digits are nulls (00). Subdisciplines are used to categorize occupations that are either broad in scope, or do not have specializations, or whose specializations are narrower than can be usefully distinguished and tracked at the State level.

Field*.* The third level is indicated by the fifth digit of the six-digit code, and is a logical subset of the second level. It is used when necessary to define several specialties within a subdiscipline that are sufficiently distinguishable to be consistently reported and tracked at the State level.

The sixth and last digit has no significance in the State system and is treated as a null (zero) for State purposes, except within the 4930 series. This digit may be used for local purposes, with no expectation of consistency of meaning across districts.

Following are three examples of the hierarchical descriptors:

09 - Discipline: Engineering and Related Industrial Technologies
0934.00 - Subdiscipline: Electronics and Electric Technology
0934.10 - Field: Computer Electronics
0934.20 - Field: Industrial Electronics

13 - Discipline: Family and Consumer Sciences
1303.00 - Subdiscipline: Fashion
1303.10 - Field: Fashion Design
1303.30 - Field: Fashion Production

22 - Discipline: Social Sciences
2202.00 - Subdiscipline: Anthropology
2202.20 - Field: Archaeology
2203.00 - Subdiscipline: Ethnic Studies (no 5th-digit fields)
2204.00 - Subdiscipline: Economics (no 5th-digit fields)

Emerging Occupations and Unique Programs. The final code used in each discipline is "XX99.00–Other." In all disciplines where vocational programs are identified, the final code is shown with the phrase "Specify (*includes all emerging occupations*)." This phrase is included to allow the coding of new programs brought about by technological advances or other changes in the market place. Programs classified in the 99 "Other" category remain in that code until that occupation becomes

widely recognized enough to merit its own TOP code, and a new category is created. The "Other" code may also be used for one-of-a-kind programs that do not fit into any other category.

Corrections in the November 2004 Printing

Corrections in the November 2004 version are of several types: a) corrections of typographical and formatting errors; b) restoration or addition of a few codes; c) reorganization of new codes related to Digital Media within the 06 (Media and Communications) discipline; d) renumbering of certain codes to accommodate data reporting technical concerns. Following are all the November 2004 changes:

1) A code has been added for Environmental Sciences and Technologies, Other (0399.00)

2) *0509.50, Sales and Salesmanship, has been renumbered to *0509.40.

3) *0518.00, Customer Service, has been added.

4) The title "Radio, Motion Picture, and Television" has been changed to "Radio and Television" (there are now separate codes for Film Studies).

5) *0603.00, *0603.10, *0603.20, and *0603.30 have been renumbered to *0604.00, *0604.10, *0604.20, and *0604.30. This is the Radio and Television series.

6) Codes previously numbered from *0614.00 through *0620.20 have been renumbered, renamed, and reorganized into the following new series:

*0614.00 – Digital Media
- *0614.10 – Multimedia
- *0614.20 – Electronic Game Design
- *0614.30 – Website Design and Development
- *0614.40 – Animation
- *0614.50 – Desktop Publishing
- *0614.60 – Computer Graphics and Digital Imagery

7) *0620.00, Graphic Communication, has been deleted. This title conflicts with other disciplines.

8) An asterisk has been added to *0946.00.

9) A few spelling, grammatical, and minor wording corrections have been made in various definitions.

10) The non-existent language "Iho" under 1116.00 has been corrected to "Igbo."

11) *1203.00, *1203.10, *1203.20, *1203.30, and *1203.80 have been renumbered to *1230.00, *1230.10, *1230.20, *1230.30, and *1230.80. This is the Nursing series.

12) *1204.00, *1204.10, *1204.20, and *1204.30 have been renumbered to *1240.00, *1240.10, *1240.20, and *1240.30. This is the Dental Occupations series.

13) Electrocardiography has been renumbered from *1207.00 to *1215.00.

14) *1219.00, Optical Technology, has been restored.

15) Infants and Toddlers has been renumbered from *1305.10 to *1305.90.

16) A sentence has been added to the definition of *1307.10, Restaurant and Food Services and Management, stating that it includes server and bartender training.

17) Faulty formatting on *1308.00, Family Studies, has been corrected.

18) 1504.00, Classics, has been restored.

19) Earth Science, which had been mistakenly given the same code as Ocean Technology, has been renumbered as 1930.00.

20) A missing .00 has been added to *2140.00.

21) A missing .00 has been added to 2210.00.

22) 15) 4930.42, Algebra, Geometry, and Trigonometry, has been deleted. These are degree-applicable courses and should be reported under 1701.00, Mathematics, General.

TOP 01 – Agriculture and Natural Resources

Instructional programs that prepare individuals to apply scientific knowledge and methods, and technical skills, to support agribusiness and agricultural activities, such as management, production and propagation, supplies and services, mechanics, marketing, and horticulture.

*** 0101.00 – Agriculture Technology and Sciences, General**
Economic and business principles used in the organization, operation, and management of farm and agricultural businesses.

*** 0102.00 – Animal Science**
Operation of animal production enterprises by developing competencies in the selection, breeding, physiology, nutrition, health, housing, feeding, and marketing of animals.

*** 0102.10 – Veterinary Technician (Licensed)**
Laws and regulations, principles and practices, and licensure requirements that prepare individuals to assist the veterinarian, biological researcher or other scientist in applying knowledge of veterinary medical assisting procedures and techniques.

*** 0102.20 – Artificial Inseminator (Licensed)**
Laws and regulations, principles and practices, and licensure requirements of artificial inseminators.

*** 0102.30 – Dairy Science**
Care of dairy animals and associated dairy farm and processing facilities and operations.

*** 0102.40 – Equine Science**
Programs related to horse breeding, management, training, and riding.

*** 0103.00 – Plant Science**
Theories, principles, and practices involved in the production and management of plants for food, feed, fiber, and soil conservation.

*** 0103.10 – Agricultural Pest Control Advisor and Operator (Licensed)**
Laws and regulations, principles and practices, and licensure requirements pertaining to pest control advisors and operators.

*** 0104.00 – Viticulture, Enology, and Wine Business**
Programs relating to cultivation of wine grapes, and making and marketing of wine.

*** 0109.00 –Horticulture**
Production of flowers, foliage, and related plant materials in fields and greenhouses for garden and ornamental purposes.

*** 0109.10 – Landscape Design and Maintenance**
Design, maintenance, and management of landscape areas, including residential, commercial, parks, and golf courses.

*** 0109.20 – Floriculture/Floristry**
Prepares individuals to produce flowers and related foliage, and to design floral arrangements and decorations. Includes instruction in selecting appropriate containers, flowers, and accessories for special occasions and events.

*** 0109.30 – Nursery Technology**
Programs related to plant nursery operations and management.

*** 0109.40 – Turfgrass Technology**
Programs related to installation, cultivation, and maintenance of turfgrass for golf courses and other purposes.

*** 0112.00 – Agriculture Business, Sales, and Service**
Principles and application of technical skills that apply to purchasing, storing, inspecting, marketing, and selling products from agricultural suppliers.

*** 0113.00 – Food Processing and Related Technologies**
Application of chemical, physical, and engineering principles to the manufacturing, packaging, storage and distribution of food products.

*** 0114.00 – Forestry**
Science, art, and practices of managing, using, and protecting forest lands and public and private timberlands.

*** 0115.00 – Natural Resources**
Theories, principles, laws and regulations, and the application of skills to the use, management, and conservation of renewable natural resources, including wildlife and fisheries.

*** 0115.10 – Parks and Outdoor Recreation**
Describes the significance and operation of recreational entities and facilities, such as parks and outdoor activities.

*** 0115.20 – Wildlife and Fisheries**
Conservation and management of wilderness fauna and wildlife reservations, and of fish and shellfish resources for recreational or commercial purposes.

*** 0116.00 – Agricultural Power Equipment Technology**
Theory and technical skills that apply to the selection, operation, servicing, maintenance, and repair of a variety of agricultural and forestry machinery and equipment.

*** 0199.00 – Other Agriculture and Natural Resources**
Specify (*includes all emerging technologies*).

TOP 02 – Architecture and Related Technologies

Instructional programs that prepare individuals to assist in architectural tasks, including the creation, adoption, alteration, preservation, and control of physical and social surroundings.

*** 0201.00 – Architecture and Architectural Technology**
Planning, organization, and enclosure of space for functional and esthetic purposes, including the design of structures, testing of materials, estimating, environmental impact studies, and dealing with contracts and specifications.

0201.10 – Landscape Architecture *(transfer)*

*** 0299.00 – Other Architecture and Environmental Design**
Specify *(includes all emerging occupations)*.

TOP 03 – Environmental Sciences and Technologies

Instructional programs that study biological and physical aspects of the environment and environment-related issues, including methods of controlling environmental pollution; and programs that prepare individuals to monitor and maintain environmental pollution control systems and to manage hazardous wastes.

0301.00 – Environmental Science
Study of the biological, chemical, and physical aspects of the environment, including methods of preventing environmental pollution and damage, and preventing animal and plant extinction.

0302.00 – Environmental Studies
Study of environment-related issues, including policy and legislation, social, legal, and economic aspects, and scientific principles of the ecosystem and environmental conservation.

*** 0303.00 – Environmental Technology**
Environmental management, monitoring, assessment, and restoration, including environmental pollution control systems and the management of hazardous materials and hazardous waste, and related government regulations.

0399.00 – Environmental Sciences and Technologies, Other
Specify *(includes all emerging occupations)*.

TOP 04 – Biological Sciences

Instructional programs that study life or living matter in all its forms and phenomena, especially with regard to the origin, function, growth, reproduction, heredity, and structure of life forms.

0401.00 – Biology, General
A generalized study of life, including the structure, function, reproduction, growth, heredity, evolution, behavior, and distribution of living organisms.

0402.00 – Botany, General
Plant life, structure, function, reproduction, growth, heredity, evolution, and distribution.

0403.00 – Microbiology
Study of microorganisms, including their morphology, physiology, metabolism, growth, and effects upon substances and other organisms.

0407.00 – Zoology, General
Animals, including their structure, function, reproduction, growth, heredity, evolution, behavior, and distribution.

0408.00 – Natural History
A broad survey of life forms and natural systems, and their evolutionary and environmental relationships.

0410.00 – Anatomy and Physiology
The cellular mechanisms underlying the life processes, functions of various parts of living organisms, and of integrated physiological response to the environments in which they live.

*** 0430.00 – Biotechnology and Biomedical Technology**
Theories, operations, and technical skills used to assist researchers and engineers engaged in developing or manufacturing biological, biotechnical, or medical systems or products.

0499.00 – Other Biological Sciences
Specify.

TOP 05 – Business and Management

Instructional programs that prepare individuals for a variety of activities in planning, organizing, directing, and managing all business office systems and procedures.

*** 0501.00 – Business and Commerce, General**
Processes, principles, and procedures of purchasing, selling, producing, and interchanging goods, commodities, and services to prepare a person for a position of responsibility, management, and/or ownership.

*** 0502.00 – Accounting**
Procedures to systematize information about transactions and activities into accounts and quantitative reports to verify accuracy of data by applying accounting, internal reporting, and decision making principles. Includes accounting and financial reporting that assists in making internal management decisions.

- *** 0502.10 – Tax Studies**
  Tax preparation and tax management services for individuals and businesses, including individual and business income tax preparation, and tax planning.

*** 0504.00 – Banking and Finance**
Financial sectors of the general economy to prepare individuals to engage in financial or banking services. Includes bank management, investments, and loan analysis and management.

*** 0505.00 – Business Administration**
Programs designed to give a broad, balanced introduction to professional careers in business, usually including business law, economics, mathematics, managerial accounting and computer systems. Includes transfer programs.

*** 0506.00 – Business Management**
Planning, organizing, directing, and controlling business operations. Includes various theories, tools, and practical applications used to maintain business sustainability through the management of capital, financial, and human resources.

- *** 0506.30 – Management Development and Supervision**
  Supervising employees; budgeting, analysis, and coordinating clerical activities; evaluating, organizing, and revising office operations; design of facilities to provide maximum production; evaluating employee records; and coordinating activities of clerical departments and workers, dispute resolution, and mediation.

*** 0506.40 – Small Business and Entrepreneurship**
Principles, practices, and strategies of small business wholesale, retail, or service operations for owners/managers, and marketing principles and methods applicable to developing businesses.

*** 0506.50 – Retail Store Operations and Management**
Principles and methods of retail store operations and management, including department stores and supermarkets.

*** 0508.00 – International Business and Trade**
Principles of managing a business in an international context, and of exporting or importing of industrial or consumer goods in world markets. Includes trade regulations and controls, foreign trade operations, locating markets, negotiation practices, monetary issues, and international law and public relations.

*** 0509.00 – Marketing and Distribution**
Marketing functions and tasks that facilitate the flow of goods and services to customers and/or ultimate consumers.

*** 0509.10 – Advertising**
Describes the creation, execution, transmission, and evaluation of commercial messages concerned with the promotion and sale of products and services.

*** 0509.20 – Purchasing**
The purchase of machinery, raw materials, and product components for manufacturing firms; office supplies, furniture, and business machines for a place of business; or the supplies and equipment needed to conduct a retail or service business.

*** 0509.40 –Sales and Salesmanship**
Sales functions and tasks generally applicable to any marketing environment, including retailing, sales, and customer service.

*** 0509.60 – Display**
Creation of products or institutional displays and exhibits for the purpose of stimulating sales and goodwill.

*** 0509.70 – E-Commerce *(business emphasis)***
Programs that combine marketing and management principles with technical applications of the Internet and World Wide Web, with main emphasis on business principles.

*** 0510.00 – Logistics and Materials Transportation**
Theory, principles, functions, and procedures for the orderly and economic receiving, manufacturing, shipping, and servicing of products or services.

*** 0511.00 – Real Estate**
Theory and techniques of buying, selling, appraising, renting, managing, and leasing real property. Includes marketing, financing government regulations, and legal aspects of real estate and land economics.

*** 0511.10 – Escrow**
Principles and methods of real estate escrow and title company operations.

*** 0512.00 – Insurance**
Risk analysis and personal and/or business insurance and their application in such things as life, disability, property, liability, and fiduciary trust and annuity underwriting.

*** 0514.00 – Office Technology/Office Computer Applications**
Recording and disseminating of information, by manual and/or electronic means, including administrative office practices (keyboarding, computer literacy/applications, internet usage, e-mailing, scheduling, etc.), global concepts, and office management skills (problem solving, critical thinking, and interpersonal relations).

*** 0514.10 – Legal Office Technology**
Preparation of legal papers and correspondence by manual and/or electronic means. Includes legal terminology, procedures, and documents.

*** 0514.20 – Medical Office Technology**
Prepares individuals to perform medical office administrative duties by manual and/or electronic means. Includes a knowledge of medical terminology, as well as hospital, clinic, or laboratory procedures, and compiling and maintaining medical records.

*** 0514.30 – Court Reporting**
Prepares individuals to record court testimony or other proceedings by machine shorthand. Prepares also for closed captioning and scoping.

*** 0514.40 – Office Management**
Preparation to supervise and manage operations and personnel of business offices, including supervision, budgeting, scheduling, office systems and records.

*** 0516.00 – Labor and Industrial Relations**
Describes the history and development of the labor movement, including the analysis and interpretation of federal and state regulations, union contracts, labor negotiations, conciliation, arbitration, and grievance procedures.

*** 0518.00 – Customer Service**
Preparation for customer service representative, call center technician, and related occupations.

*** 0599.00 – Other Business and Management**
Specify *(includes all emerging occupations)*.

TOP 06 – Media and Communications

Instructional programs that study the theory, principles and methods of creation, transmission, reception and evaluation of various media.

0601.00 – Media and Communications, General
Programs including combinations or overviews of the media arts and technologies categories included in this discipline.

*** 0602.00 – Journalism**
The gathering, processing, evaluation, and dissemination of information concerning current events and issues through the mass media. Origination and preparation of materials is practiced.

*** 0604.00 – Radio and Television**
History, theories, principles, techniques, functions, technologies, and creative processes of radio and television (including combined television/film/video programs) in reaching mass audiences.

*** 0604.10 – Radio**
History, theories, principles, techniques, functions, technologies, and creative processes of radio.

*** 0604.20 – Television (including combined TV/film/video)**
History, theories, principles, techniques, functions, technologies and creative processes of television and video. Includes programs that combine television with film and/or video.

*** 0604.30 – Broadcast Journalism**
Theory and techniques of gathering and reporting news specifically for electronic media such as radio and television.

*** 0606.00 – Public Relations**
Surveying and research in PR, issues PR and news media collaboration, writing for PR, media in PR, speech writing and PR campaigns, data collection and analysis, logic and critical thinking in PR, psychology in critical thinking, public speaking and presentation skills, legal issues in PR, and ethics.

*** 0607.00 – Technical Communication**
Theory, methods, and skills for writing and producing scientific, technical, and business communications and documentation.

*** 0610.00 – Mass Communications**
Study of the media by which entertainment and information messages are delivered, techniques used in such media, and social effects of such messages.

0612.00 – Film Studies (including combined film/video)
History, development, theory, and criticism of the film/video arts, as well as principles of film making and film production.

0612. 10 – Film History and Criticism
History, development, theory, and criticism of the film/video arts.

*** 0612.20 – Film Production**
Communication of dramatic information, ideas, moods, and feelings through films and videos. Includes film technology and equipment, directing, editing, planning and management of film/video operations.

*** 0614.00 – Digital Media**
A broad range of programs that combine computer and other electronic technologies with skills and techniques from various fine arts and communications disciplines.

*** 0614.10 – Multimedia**
Principles and techniques of using computers to bring together text, sounds, animation, graphic art, and video to create interactive products to inform, educate, or entertain.

*** 0614.20 – Electronic Game Design**

*** 0614.30 – Website Design and Development**
Principles of design, user interface/navigation, graphics applications and other authoring tools to design, edit and publish web pages, documents, images, graphics, sound and multimedia products for the Internet.

*** 0614.40 – Animation**
Principles and techniques for creating the visual illusion of motion through sequenced images. Includes animation using digital technology.

*** 0614.50 – Desktop Publishing**
Methods of preparing text and images for presentation to readers, using computerized electronic page layout and publication programs.

*** 0614.60 – Computer Graphics and Digital Imagery**
Theories, principles, and uses of computer graphics vector- and raster-based software programs for consumer, commercial, and industrial applications.

*** 0699.00 – Other Media and Communications**
Specify *(includes all emerging occupations)*.

TOP 07 – Information Technology

Instructional programs in the theories, principles, and methods of design, development and application of computer capabilities to data storage and manipulation.

*** 0701.00 –Information Technology, General**
Information technology concepts, theories, principles, methods and related computer capabilities and applications related to business, technical, and scientific problems.

*** 0702.00 – Computer Information Systems**
General programs in data and information storage and processing, including hardware, software, basic design principles, and user requirements.

*** 0702.10 – Software Applications**
Computer application software used in a business or home environment ranging from an end user skill level to corporate level for the management of information. Concepts, theory, application of software for the design and development, distribution, publishing, presentation, and analysis of text, numeric, and graphic data. Procedures, information, and application of software including a variety of methods for inputting and retrieving data, records, and information. Application of software and computer-related tools such as e-mail and speech/voice recognition for the global dissemination of information.

0706.00 – Computer Science (*transfer)*
Scientific and mathematical principles used in designing and building computers and computing systems, including transfer-oriented programs.

*** 0707.00 – Computer Software Development**
Design and development of computer-based applications. Includes systems analysis, design, specification, programming, database analysis and design, user interface development, maintenance, and testing.

*** 0707.10 – Computer Programming**
Entry-level programming, including methods, procedures, symbols and rules used in planning and writing instructions in computer language for the solution of a problem. Includes programming for the World Wide Web.

*** 0707.20 – Database Design and Administration**
Development of database applications in a business or organizational environment, including database architecture, programming languages, proprietary database software, and related skills and techniques.

*** 0707.30 – Computer Systems Analysis**
Systems analysis and design, including the recognition, definition, and improvement of processes through the use of computer technology and methodologies.

*** 0708.00 – Computer Infrastructure and Support**
Network and operation systems design and administration, including certification preparation.

*** 0708.10 – Computer Networking**
Principles of local, metropolitan, and wide area computer networking design, installation, maintenance and troubleshooting.

*** 0708.20 – Computer Support**
Preparation to provide technical assistance to computer system users. May include use of computer hardware and software, printing, installation, word processing, electronic mail, and operating systems.

*** 0709.00 – World Wide Web Administration**
Methods to develop and maintain web servers and hosted web pages, and to function as Webmaster. Includes computer systems and networks, servers, web design and editing, information resources management, web policies and security.

*** 0709.10 – E-Commerce (technology emphasis)**
Programs that combine marketing and management principles with technical applications of the Internet and World Wide Web, with main emphasis on applications of technology.

*** 0799.00 – Other Information Technology**
Specify *(includes all emerging occupations)*.

TOP 08 – Education

Instructional programs that describe the science and art of importing knowledge, developing the powers of reasoning and judgment, and preparing others intellectually for a more mature and rewarding life.

0801.00 – Education, General (Pre-Professional) *(Transfer)*
Theory and method related to elementary, secondary and postsecondary education at the lower-division level.

*** 0802.00 – Educational Aide (Teacher Assistant)**
Practices and techniques necessary for preparing individuals to provide services to students and parents under the direction of professional staff.

*** 0802.10 – Educational Aide (Teacher Assistant), Bilingual**
Preparation for individuals to provide classroom and school services to children and parents whose native language is other than English, under the direction of professional staff.

*** 0809.00 – Special Education**
Theories and methods used in working with physically or mentally disabled persons, and assisting special education teachers.

0835.00 – Physical Education
Professional preparation skills in fitness, physical activity, and intercollegiate athletics. Includes courses designed to meet the general education requirement for instruction in lifelong healthful living through appropriate physical activity and theory courses, as well as transfer and physical education teacher preparation.

0835.10 – Physical Fitness and Body Movement
Programs and courses that encourage personal health and longevity through exercise activity, especially noncredit courses in this category.

*** 0835.20 – Fitness Trainer**
Preparation for training occupations in fitness and health, such as fitness specialists, aerobics or movement instructor, and human performance technician.

0835.50 – Intercollegiate Athletics

*** 0835.60 – Coaching**
Preparation for occupational coaching in schools or clubs.

*** 0835.70 – Aquatics and Lifesaving**
Preparation for occupational competency in swimming instruction and lifesaving as recommended by the State of California and the American Red Cross.

0835.80 – Adapted Physical Education
Programs and courses in physical education for persons with disabilities.

0836.00 – Recreation
Leadership principles and skills for recreational and leisure activities, and practices for providing indoor and outdoor recreational facilities and services for the general public.

*** 0836.10 – Recreation Assistant**
Principles and techniques for preparing individuals to work in recreational occupations, including arts and crafts, sports, and hobbies.

0837.00 – Health Education
Physical and mental health, including disease prevention and control, and the social and economic significance of good health.

0839.00 – Industrial Arts *(Transfer)*
Meets the lower-division (transfer) requirements for industrial arts majors, including theories, methods, tools, materials, processes related to productive capacity of industry.

0850.00 – Sign Language
Programs and courses in American Sign Language or other sign language for the deaf.

*** 0850.10 – Sign Language Interpreting**
Programs to prepare individuals to interpret oral speech for the hearing impaired, including sign language, orientation to deaf culture, and interpreting from signing to voice and from voice to signing.

*** 0860.00 – Educational Technology**
Principles and techniques for use of technology to improve learning. Includes computer software and resources, multimedia enhancements, audio and video skills, and other technology strategies that assist teachers to enhance the delivery of curriculum.

*** 0899.00 – Other Education**
Specify *(includes all emerging occupations)*.

TOP 09 – Engineering and Industrial Technologies

Instructional programs in the mathematical and natural sciences utilizing the materials and forces of nature for the benefit of human beings. Instructional programs in technology that require the application of scientific and engineering knowledge, methods, and technical skills in support of engineers and other professionals.

0901.00 – Engineering, General (requires Calculus) ***(Transfer)***
Properties of matter and the sources of energy in nature that are made economically useful to humans.

*** 0924.00 – Engineering Technology, General (requires Trigonometry)**
Technical support of engineering, including the use of civil and mechanical engineering principles, physical sciences, basic physics, mathematics, surveying, materials testing, hydraulics and pneumatics, and the preparation of plans, specifications, and engineering reports.

*** 0934.00 – Electronics and Electric Technology**
Theory and application of electric and electronic systems and components, including circuits, electro-magnetic fields, energy sources, communications devices, radio, and television circuits, computers, and other electric and electronic components and devices.

*** 0934.10 – Computer Electronics**
Principles of computer design and circuitry, systems and network architecture and maintenance, components and peripherals, problem diagnosis and repair.

*** 0934.20 – Industrial Electronics**
Assembly, installation, operation, maintenance, and repair of electronic equipment used in industry and manufacturing. Includes fabrication and assembly of electronic and related components.

*** 0934.30 – Telecommunications Technology**
Application of engineering principles and technical skills to design and implementation of telecommunications systems. Includes communication protocols, data networking, digital compression and signal processing, satellite and microwave technology.

*** 0934.40 – Electrical Systems and Power Transmission**
Installation, operation, maintenance, and repair of electrical systems and the power lines that transmit electricity. Includes assembly, installation, maintenance and repair of motors, generators, transformers, and related equipment.

*** 0934.60 – Biomedical Instrumentation**
Operation, maintenance, and installation of devices associated with biomedical measurements and medical life support.

*** 0934.70 – Electron Microscopy**
Principles, procedures, and techniques associated with electron microscopes.

*** 0934.80 – Laser and Optical Technology**
Assembly, installation, testing, adjustment, and operation of various types of lasers and other optical equipment, including fiber optic equipment and systems.

*** 0935.00 – Electro-Mechanical Technology**
Design, development, testing, and maintenance of electro-mechanical and servo-mechanical devices and systems.

*** 0935.10 – Appliance Repair**
Repair and servicing of consumer appliances, such as ranges, refrigerators, dryers, water heaters, washers, and dishwashers.

*** 0936.00 – Printing and Lithography**
Printing or reproduction of materials, including forms, newspapers, publications, and brochures. Computerized pre-print applications, press operations, camera and stripping, and bindery and finish work are included.

*** 0943.00 – Instrumentation Technology**
Design, manufacture and use of display devices and systems for detection, observation, measurement, control, computation, communication, or data processing.

*** 0943.30 – Vacuum Technology**
Assembly, installation, maintenance, and repair of various vacuum actuated systems and devices.

*** 0945.00 – Industrial Systems Technology and Maintenance**
Design, construction, maintenance, and operation of mechanical, hydraulic, pneumatic, and electrical equipment and related systems, such as production machinery. Includes building and plant maintenance.

*** 0946.00 – Environmental Control Technology (HVAC)**
Assembly, installation, operation, maintenance, and repair of air conditioning, heating, and refrigeration systems.

*** 0946.10– Energy Systems Technology**
Theory and methods of energy conservation applied to heating, cooling, and related systems, including the measurement and assessment of energy consumption, diagnosis and prescription. Includes alternative energy systems.

*** 0947.00 – Diesel Technology**
Repair and maintenance of diesel engines in vehicles, ships, locomotives, and construction equipment, as well as stationary diesel engines in electrical generators and related equipment.

*** 0947.20 – Heavy Equipment Maintenance**
Maintenance, repair and overhaul of heavy equipment.

*** 0947.30 – Heavy Equipment Operation**
Operation of heavy equipment, including earth moving, demolition, and construction equipment.

*** 0947.40 – Railroad and Light Rail Operations**
Operation and maintenance of trains and railroad equipment, including light rail, heavy rail, passenger rail, and freight rail.

*** 0947.50 – Truck and Bus Driving**
Operation of trucks and buses with diesel, gasoline, or alternative power engines.

*** 0948.00 – Automotive Technology**
The servicing, maintenance, and diagnosis of malfunctions, and repair and overhaul of components and systems in automotive vehicles.

*** 0948.30 – Motorcycle, Outboard, and Small Engine Repair**
Repair, overhaul, service, and maintenance of motorcycles, outboard motors, and small engines.

*** 0948.40 – Alternative Fuels and Advanced Transportation Technology**
Conversion to, installation of, and maintenance of electric vehicles, liquefied petroleum gas, compressed natural gas, hybrid fuel technologies, and related systems.

*** 0948.50 – Recreational Vehicle Service**
Maintenance of hydraulic, electrical, air conditioning and other systems in recreational vehicles.

*** 0949.00 – Automotive Collision Repair**
Repair and refinishing of automotive vehicle panels and bodies, straightening of vehicle frames and unibodies, and replacement of damaged vehicle glass.

*** 0949.10 – Upholstery Repair–Automotive**
Repair and replacement of automotive interiors.

*** 0950.00 – Aeronautical and Aviation Technology**
Theory of flight and the design, construction, operation, and maintenance of aircraft, aircraft propulsion units, and aerospace vehicles. Includes combined airframe and powerplant mechanics programs.

*** 0950.10 – Aviation Airframe Mechanics**
Inspection, repair, service, maintenance, and overhaul of airframes and aircraft systems. The program is designed to meet the Federal Aviation Administration (FAA) requirements for licensing as an airframe mechanic.

*** 0950.20 – Aviation Powerplant Mechanics**
Inspection, repair, service, maintenance, and overhaul of aircraft engines and engine systems. The program is designed to meet the Federal Aviation Administration (FAA) requirements for licensing as a powerplant mechanic.

*** 0950.40 – Aircraft Electronics (Avionics)**
Electronic theory, applications and equipment used in aircraft, including installation, maintenance, and repair of aircraft electronic and other operating and control systems.

*** 0950.50 – Aircraft Fabrication**
Principles and techniques of aircraft structural and composites fabrication and assembly.

*** 0952.00 – Construction Crafts Technology**
Lay out, fabrication, erection, installation, and repair of buildings, highways, airports, and other structures and fixtures, including framing, construction materials, estimating, blueprint reading, and use of tools.

*** 0952.10 – Carpentry**
Layout, fabrication, erection, and installation of structures using common systems of framing, construction materials, estimating, and blueprint reading.

*** 0952.20 – Electrical**
Installation, operation, maintenance and repair of electrical systems in buildings, including residential, commercial, and industrial electric power wiring and motors, controls, and electrical-distribution panels.

*** 0952.30 – Plumbing, Pipefitting, and Steamfitting**
Theories, principles, methods, technical skills and use of equipment in plumbing, pipefitting, and steamfitting.

*** 0952.40 – Glazing**
Theories, principles, methods, technical skills, and use of equipment in glazing.

*** 0952.50 – Mill and Cabinet Work**
Cutting, shaping, assembly, and finishing of wood and related materials according to designs and specifications.

*** 0952.60 – Masonry, Tile, Cement, and Lath and Plaster**
Theories, principles, methods, technical skills, and use of equipment in brick, block and stonemasonry, tile laying and finishing, cement finishing, and lathe and plaster construction.

*** 0952.70 – Painting, Decorating, and Flooring**
Theories, principles, methods, technical skills and use of equipment in painting, decorating, paperhanging and flooring.

*** 0952.80 – Drywall and Insulation**
Theories, principles, methods, technical skills, and use of equipment in drywall installation, taping, and insulation.

*** 0952.90 – Roofing**
Theories, principles, methods, technical skills and use of equipment in hot tar and/or the shingle roofing.

*** 0953.00 – Drafting Technology**
Planning, preparation, and interpretation of various engineering sketches for design and drafting duties, for circuits, machines, structures, weldments, or architectural plans. Includes the application of advanced computer software and hardware (Computer Assisted Drafting and Computer Assisted Design) to the creation of graphic representations and simulations in support of engineering projects.

*** 0953.10 – Architectural Drafting**
Preparation of working drawings and electronic simulations for architectural and related construction projects.

*** 0953.20 – Civil Drafting**
Preparation of working drawings and electronic simulations in support of civil engineers, geologic engineers, and related professionals.

*** 0953.30 – Electrical, Electronic, and Electro-Mechanical Drafting**
Development of working schematics and representations in support of electrical/electronic engineers, computer engineers, electro-mechanical engineers, and related professionals.

*** 0953.40 – Mechanical Drafting**
Development of working drawings and electronic simulations in support of mechanical and industrial engineers and related professionals.

*** 0953.60 – Technical Illustration**
Principles, methods, and techniques used in the design and layout of consumer, commercial, and industrial illustrations.

*** 0954.00 – Chemical Technology**
Chemical processes, including heat transfer, treatment of liquid and gases, and physical-chemical operations used in industrial processes and the chemical industry.

*** 0954.20 – Plastics and Composites**
Principles, processes, technical skills, and equipment used in fabricating products from plastics, polymers, and composites.

*** 0954.30 – Petroleum Technology**
Petroleum production, exploration, testing, drilling, analyzing, and logging drilling cores and transporting gas and oil.

*** 0955.00 – Laboratory Science Technology**
Practical analytical applications of inorganic chemistry, organic chemistry biochemistry, and other physical and biological sciences in laboratory, testing, and quality control settings in industry and science.

*** 0956.00 –Manufacturing and Industrial Technology**
Engineering principles and technical skills for the manufacture of products and related industrial processes. Includes shaping and forming operations, materials handling, instrumentation and controls, and quality control. Includes Computer Aided Manufacturing and robotics. Also includes optimization theory, industrial and manufacturing planning, and related management skills.

*** 0956.30 – Machining and Machine Tools**
Fabrication, assembly and repair of parts and components or systems on machines, such as lathes, grinders, drill presses, milling machines, and shaping machines. Includes Computer Numerical Control and tool design.

*** 0956.40 – Sheet Metal and Structural Metal**
Theories, principles, methods, technical skills, and equipment used in sheet metal occupations and ironworking occupations.

*** 0956.50 – Welding Technology**
Welding techniques, processes, and equipment applied in accordance with diagrams, blueprints, or other specifications.

*** 0956.70 – Industrial and Occupational Safety and Health**
Safety engineering principles and practices, as well as related federal, state and local regulations concerned with workplace safety.

*** 0956.80 – Industrial Quality Control**
Inspection, testing and evaluation of parts, products, equipment, and processes for adherence to specifications. Includes nondestructive testing.

*** 0957.00 – Civil and Construction Management Technology**
Application of procedures and techniques related to civil and construction management, including estimating and bidding, scheduling and control, inspection, building systems, construction practices, quality control, labor and safety practices. Includes public works management.

*** 0957.20 – Construction Inspection**
Inspection of new or remodeled structures to determine their soundness and compliance to specifications, building codes and other regulations.

*** 0957.30 – Surveying**
Surveying and mapping of angles, elevations, points and contours used for construction, map-making, urban planning or other purposes. Includes related applications of Global Positioning Systems (GPS) and Geographic Information Systems (GIS).

*** 0958.00 – Water and Wastewater Technology**
Principles, technical skills and equipment used to process, purify, store and distribute potable water, and dispose of waste water. Design, construction, operation, and maintenance of equipment for water or waste water treatment systems.

*** 0959.00 – Marine Technology**
Operation and maintenance of ships systems and marine equipment.

*** 0959.10 – Diving and Underwater Safety**
Professional diving, diving instructors or diving support personnel.

*** 0961.00 – Optics**
Grinding of lenses from optical glass or plastic according to engineering specifications or optometrist prescriptions.

*** 0962.00 – Musical Instrument Repair**
Maintenance, repair, and tuning of acoustic and electric musical instruments.

*** 0999.00 – Other Engineering and Related Industrial Technologies**
Specify *(includes all emerging occupations)*.

TOP 10 – Fine and Applied Arts

Instructional programs that study the perception, appreciation and creation of diverse modes of communicating ideas and emotion by means of visual and nonvisual representations and symbols; subject to esthetic criteria and related functions.

1001.00 – Fine Arts, General
Appreciation and production of works of art that express artistic intention.

1002.00 – Art (Painting, Drawing, and Sculpture)
Two and three dimensional techniques in the areas of painting, drawing, and sculpture.

1002.10 – Painting and Drawing
1002.20 – Sculpture
1002.30 – Ceramics

1004.00 – Music
Art and technique of combining sounds of various timbres in harmonic, rhythmic and/or melodic forms, which are artistically expressive.

*** 1005.00 – Commercial Music**
Performance of music in public venues under contract and related business skills and services.

*** 1006.00 – Technical Theater**
Techniques for communicating information, ideas, moods, and feelings through set design and construction and costuming with attention to stagecraft, function, and esthetics.

1007.00 – Dramatic Arts
Drama, theater and interpretation.

1008.00 – Dance
Techniques, composition, and choreography of dance.

*** 1008.10 – Commercial Dance**
Dance performance techniques specifically for occupational applications.

*** 1009.00 – Applied Design**
Theory and studio work in the application of esthetic principles to the design of useful and decorative objects and spaces.

1009.10 – Jewelry
Application of design principles and fabrication techniques to the design, creation, and manufacture of jewelry.

1011.00 – Photography
Historic development, esthetic qualities, creative processes, and practical applications of photographic imagery as a means of artistic expression.

*** 1012.00 – Applied Photography**
Application of esthetic principles and technical processes to the exposure, development, and marketing of photographs and photographic services.

*** 1013.00 – Commercial Art**
Design and execution of layouts and illustrations for advertising displays and instructional manuals, including the preparation of copy, lettering, poster, package and product design, fashion illustration, silk screening, air brushing, inks, color dynamics, and computer pre-print applications.

*** 1030.00 – Graphic Art and Design**
Application of artistic techniques to the effective communication of information and ideas, for commercial or technical purposes. Includes design principles, color theory, typography, concepts sketching, imaging, communication skills.

*** 1099.00 – Other Fine and Applied Arts**
Specify *(includes all emerging occupations)*.

TOP 11 – Foreign Language

Instructional programs that study a language other than English, or related to the study of a foreign culture through exploration of the literature of that culture as expressed in the language of that culture.

1101.00 – Foreign Languages, General
Concentrated on more than one foreign language without giving full major emphasis to any one language, e.g., a minimum of 12 units in one foreign language and 6 units in another.

1102.00 – French
Language, literature, and culture of French-speaking people.

1103.00 – German
Language, literature, and culture of German-speaking people.

1104.00 – Italian
Language, literature, and culture of Italian-speaking people.

1105.00 – Spanish
Language, literature, and culture of Spanish-speaking people.

1106.00 – Russian
Language, literature, and culture of Russian-speaking people.

1107.00 – Chinese
Language, literature, and culture of Chinese-speaking people.

1108.00 – Japanese
Language, literature, and culture of Japanese-speaking people.

1109.00 – Latin
Language, literature, and culture of Latin-speaking people.

1110.00 – Greek
Language, literature, and culture of modern or classical Greek-speaking people.

1111.00 – Hebrew
Language, literature, and culture of Hebrew -speaking people.

1112.00 – Arabic
Language, literature, and culture of Arabic-speaking people.

1116.00 – African Languages (Non-Semitic)
Language, literature, and culture of the African peoples, such as Coptic, Berber, Igbo, Yoruba, Amharic, Hausa, Egyptian, and Swahili.

1117.00 – Asian, South Asian, and Pacific Islands (Chinese and Japanese excluded)
Language, literature, and culture of Asian-speaking people other than Chinese and Japanese.

1117.10 – Filipino (Tagalog)
Language, literature, and culture of Filipino-speaking people.

1117.20 – Vietnamese

1117.30 – Korean

1119.00 – Portuguese
Language, literature, and culture of Portuguese-speaking people.

1199.00 – Other Foreign Languages
Specify.

TOP 12 – Health

Instructional programs that study the theories and techniques for the restoration or preservation of mental and physical health through the use of drugs, surgical procedures, manipulations, or other curative or remedial methods.

*** 1201.00 – Health Occupations, General**
General and introductory occupational programs in the health occupations. Does not include transfer preparation programs (see 1260.00).

*** 1202.00 – Hospital and Health Care Administration**
Planning, organizing, and administering a hospital or other health care facility.

*** 1205.00 – Medical Laboratory Technology**
Application of chemical, physical science, engineering, and technological concepts, principles, and practices to human and other living systems.

- *** 1205.10 – Phlebotomy**
  Principles and practices for puncturing the skin to give injections, and puncturing veins or arteries to obtain blood samples for analysis and diagnosis.

*** 1206.00 – Physicians Assistant**
Physician–delegated functions in the areas of general practice, family medicine, internal medicine, obstetrics, emergency medicine, or in other specific areas of patient care.

*** 1208.00 – Medical Assisting**
Administrative, clerical or technical support services for a licensed physician, podiatrist, or health care services plan, and related support functions in a health care facility.

- *** 1208.10 – Clinical Medical Assisting**
  Principles and techniques to assist with patient care and examination in health care offices and clinics. Includes taking vital signs, preparing patient, assisting with physical exams, collecting specimens, performing basic laboratory tests, and maintaining examination rooms. May include administration of oral or injectable medications under direction of a nurse or physician.

- *** 1208.20 – Administrative Medical Assisting**
  Principles and techniques to assist with administration in health care offices and clinics. Includes receptionist duties, maintaining patient records, billing, insurance, bookkeeping, appointments, and scheduling.

*** 1208.30 – Health Facility Unit Coordinator**
Procedures and techniques for the administrative and clerical support of a nursing unit in a hospital or other health care facility.

*** 1209.00 – Hospital Central Service Technician**
Services and techniques used in support of patient care, such as receipt, evaluation, storage and distribution of supplies, equipment, and instruments, including sterile processing.

*** 1210.00 – Respiratory Care/Therapy**
Clinical assistance in the diagnosis, treatment, and rehabilitation of acute and chronic respiratory disease, including pulmonary function, drug administration, mechanical ventilation, medical gas therapy, airway management, patient assessment, and assistance to the physician in carrying out special procedures, and as part of emergency and life-support team.

*** 1211.00 – Polysomnography**
Diagnosis and treatment of disorders of sleep and daytime alertness, and evaluation of various treatment methods.

*** 1212.00 – Electro-Neurodiagnostic Technology**
Techniques used to perform non-invasive diagnostic procedures on the nervous system, including electroencephalography.

*** 1213.00 – Cardiovascular Technician**
Principles and techniques used in performing invasive, noninvasive, and peripheral examinations of the cardiovascular system to aid in diagnoses and therapeutic treatments

*** 1214.00 – Orthopedic Assistant**
Principles and techniques used in assisting a physician to apply and remove casts, assemble traction apparatus, fit straps and splints, assemble exercise frames, and adjust crutches and canes.

*** 1215.00 – Electrocardiography**
Prepares individuals in the operation and maintenance of electrocardiograph machines

*** 1217.00 – Surgical Technician**
Procedures, skills, and use of equipment to assist in surgery.

*** 1218.00 – Occupational Therapy Technology**
Techniques of rehabilitation, patient evaluation, and treatment planning, under the supervision of an occupational therapist or other healthcare provider.

*** 1219.00 – Optical Technology**
Theory of vision and lenses and techniques for the application of those principles to assisting in vision care.

*** 1220.00 – Speech-Language Pathology and Audiology**
Principles and procedures used to assist in the diagnosis, treatment, and prevention of hearing and speech disorders under the supervision of a licensed speech-language pathologist or audiologist.

*** 1221.00 – Pharmacy Technology**
Principles and procedures used to assist in maintaining and dispensing pharmaceutical supplies and medications.

*** 1222.00 – Physical Therapist Assistant**
Principles and procedures used to assist a physical therapist in implementing a prescribed plan of therapy for a patient, including patient instruction and administration of treatments.

*** 1223.00 – Health Information Technology**
Compilation and maintenance of medical records, development of statistical reports, coding of diseases and operations, maintenance of indexes, and handling of requests for medical records information.

*** 1223.10 – Health Information Coding**
Training to assign numerical codes to diagnoses, symptoms, and procedures using standard international classifications and terminology.

*** 1224.00 – School Health Clerk**
Provision of non-invasive health support services to children in the education system, under supervision of a school nurse or school administration

*** 1225.00 – Radiologic Technology**
Principles and techniques used in diagnostic radiography. Including radiographic techniques, radiation protection, equipment maintenance, and film processing and darkroom techniques.

*** 1226.00 – Radiation Therapy Technician**
Application of radioactive substances to patients for diagnostic and therapeutic purposes.

*** 1227.00 – Diagnostic Medical Sonography**
Techniques used to assist physicians in diagnosing disease or injury by means of high-frequency sound waves (ultrasound) that create body images showing the shape and composition of body tissues.

*** 1228.00 – Athletic Training and Sports Medicine**

Programs to prepare for employment in athletic training, injury treatment, rehabilitation, fitness assessment, and related fields.

*** 1230.00 – Nursing**
Principles and techniques for assisting the individual, sick or well, in the performance of those activities contributing to health or to recovery.

*** 1230.10 – Registered Nursing**
Programs leading to licensure by the Board of Registered Nursing. Includes nursing care in specialty areas.

*** 1230.20 – Licensed Vocational Nursing**
Programs leading to vocational nurse licensure by the Board of Vocational Nursing and Psychiatric Technicians. Technical and manual nursing skills, practiced under the direction of a registered nurse, physician, or other medical staff, specific to the scope of practice of the licensed vocational nurse.

*** 1230.30 – Certified Nurse Assistant**
Routine nursing services of patients in hospitals or long term care facilities practiced under the direction of nursing or medical staff, and specific to the nurse assistant certification examination. Includes Acute Care Nurse Assistant.

*** 1230.80 – Home Health Aide**
Principles and techniques used to assist elderly, convalescent, or disabled patients in their homes by providing for their health care needs.

*** 1239.00 – Psychiatric Technician**
Principles and techniques used in the care of mentally disordered, developmentally disabled and emotionally disturbed patients, in a variety of health care settings specific to the licensure examination.

*** 1240.00 – Dental Occupations**
Programs related to dental services.

*** 1240.10 – Dental Assistant**
Techniques used in the clinical chairside procedures of dentistry, including preparation of the patient, radiographic exposures, the mixing of dental materials, dental office management specific to the licensure examination.

*** 1240.20 – Dental Hygienist**
Oral health education, control of oral disease, preventive, educational, and therapeutic techniques used in dental treatments specific to the licensure examination.

*** 1240.30 – Dental Laboratory Technician**
Construction and repair of dental appliances; operations and procedures used in support of a dentist or orthodontist.

*** 1250.00 – Emergency Medical Services**
Pre-hospital, emergency medical diagnostic procedure, treatment, and comprehensive care in medical crises, including emergency vehicle operation and patient transportation procedures, including training specific to the certification standards for the EMT-1 or EMT-2 certifications.

*** 1251.00 – Paramedic**
Training specific to the certification standards for EMT-P (Paramedic).

*** 1255.00 – Mortuary Science**
Preparation for burial, embalming, cremating, and other methods of disposition in conformity with legal requirements, and the conduct of funerals.

1260.00 – Health Professions, Transfer Core Curriculum
Studies that satisfy the academic transfer requirements of the core curriculum for health professions.

*** 1261.00 – Community Health Care Worker**
Preparation for facilitators, advocates, and referral workers linking health care and related social services with affected recipient communities.

*** 1262.00 – Massage Therapy**
Preparation for certified practice of various styles of massage, such as Swedish, sports, and deep tissue, for therapeutic and relaxation purposes, including business aspects of massage practice.

1270.00 – Kinesiology
Provides preparation for programs that focus on the anatomy, physiology, biochemistry, and biophysics of human movement, and applications to exercise and therapeutic rehabilitation.

*** 1299.00 – Other Health Occupations**
Specify *(includes all emerging occupations)*.

TOP 13 – Family and Consumer Sciences

Instructional programs that study the relationship between the physical, social, emotional and intellectual environment in and of the home and family and the development of individuals, including programs in child development, family studies, gerontology, fashion, interior design and merchandising, consumer services, foods and nutrition, culinary arts, and hospitality.

*** 1301.00 – Family and Consumer Sciences, General**
General programs in family and consumer sciences, including life management, how individuals develop and function in family, work, and community settings, and how they relate to their physical, social, emotional, and intellectual environments. Prepares individuals to balance personal, family and work responsibilities throughout the life cycle. May include introductory courses in fashion, nutrition and foods, interiors, family studies, child development. Programs may lead to transfer or to practical and occupational outcomes.

*** 1301.10 – Consumer Services**
Programs intended to prepare directly for employment related to consumer communication and services in the public sector or businesses, such as finance, retail, utilities, and telecommunications. Includes responding to consumer problems and trends and providing information. Generally includes courses in business and well as courses in family and consumer sciences

*** 1302.00 – Interior Design and Merchandising**
Design and its functional application to the environment, housing, furnishings, accessories, and equipment to provide commercial and residential environments that meet the psychological, sociological, emotional, and physical needs of the users and protect the health, safety, and welfare of the general public.

***1303.00 – Fashion**
Fashion and its influence on individuals and society, including fashion's principles and concepts as related to design, construction, merchandising and selection; and the study of textiles involving the design, production, finishing, characteristics, selection, use, and care of fibers and fabrics.

*** 1303.10 – Fashion Design**
Design and construction of garments.

***1303.20 – Fashion Merchandising**
Merchandising of fashion and related articles in retail and wholesale establishments.

*** 1303.30 – Fashion Production**
Construction, alteration, and finishing of garments to industry or customer specifications.

*** 1305.00 –Child Development/Early Care and Education**
Intellectual, psychosocial, and physical development of children. Principles and practices in the care and education of children.

*** 1305.20 – Children with Special Needs**
Principles and practices necessary for the care and education of children with special needs and their families.

*** 1305.40 – Preschool Age Children**
Principles and practices necessary for working with children ages three through five.

*** 1305.50 – The School Age Child**
Principles and practices necessary for working with school age children and youth in out-of-school settings, such as before and after school programs, recreational activities, youth centers, and summer camps.

*** 1305.60 – Parenting and Family Education**
Principles and practices of working with individuals in all family forms to positively affect their relationships and dynamics.

*** 1305.70 – Foster and Kinship Care**
Education and training for foster parents and kinship parents to meet the educational, emotional, behavioral and developmental needs of children and youth in the foster care system.

*** 1305.80 – Child Development Administration and Management**
Principles and practices of managing all programs in child development, and early care and education.

*** 1305.90 – Infants and Toddlers**
Principles and practices necessary for working with children younger than three years old.

*** 1306.00 – Nutrition, Foods, and Culinary Arts**
Principles and techniques of food preparation, food management, food production services and related technologies, and the fundamentals of nutrition, nutrition education, and nutrition care affecting human growth and health maintenance.

*** 1306.20 – Dietetic Services and Management**
Programs providing training in institutional food services and the management and supervision of such services, as Dietary Managers, Dietary Service Supervisors, and similar positions. Includes food services in schools, hospitals, nursing facilities, and other noncommercial settings.

*** 1306.30 – Culinary Arts**
Selection, storage, preparation, and service of food in quantity, including the culinary techniques used by chefs, institutional cooks, bakers, and catering services.

***1306.60 – Dietetic Technology**
Programs leading to national certification as a dietetic technician by the American Dietetic Association

*** 1307.00 – Hospitality**
Organization and administration of hospitality services, management, and training of personnel, including restaurant and food service management, hotel/motel or resort management, and convention and special events planning. Includes combined hotel/restaurant management programs.

*** 1307.10 – Restaurant and Food Services and Management**
Management and supervision of food and beverage service operations. Includes server and bartender training.

*** 1307.20 – Lodging Management**
Preparation to manage places of lodging such as hotels, motels and inns. Includes supplies purchasing and control, facilities design and planning, hospitality law, personnel and financial management, marketing, events management, and front desk operations.

*** 1307.30 – Resort and Club Management**
Preparation to plan, manage, and market comprehensive vacation facilities, golf courses, casinos, time-share resorts and the like.

*** 1308.00 – Family Studies**
Basic human developmental and behavioral characteristics of the individual within the context of the family, and over the lifespan. Includes human growth and development, the family as a social unit, and relationships.

*** 1309.00 – Gerontology**
Principles and practices of working with older adults. Includes physical, social, economic, emotional, health care and support services needs and concerns, related legislation, and community resources.

*** 1399.00 – Other Family and Consumer Sciences**
Specify *(includes all emerging occupations)*.

TOP 14 – Law

Instructional programs that study the principles and procedures developed and enforced by institutions of government for the social order in the form of legislation, decisions, regulations, and orders.

1401.00 – Law, General
Legal customs, practices, and rules of society and the states. Includes pre-law programs.

*** 1402.00 – Paralegal**
Legal terminology, forms and procedures; general legal concepts; principles and techniques of legal research, including analysis of legal issues, documentation of appropriate legal precedents, and presentation of research findings useable by attorneys, judges, and others.

1499.00 – Other Law
Specify.

TOP 15 – Humanities (Letters)

Instructional programs that study language and literature, philosophy and value systems related to ancient and modern cultures and the expression of those systems in creative works and cultural artifacts.

1501.00 – English
Written expression and the writing process which include critical reading, critical writing, research practices, literature, and literary criticism.

1501.10 – Linguistics
Study of language, language development, and relationships among languages from a humanistic and/or scientific perspective.

1502.00 – Language Arts
Programs that combine English, speech communication, and/or foreign language and other humanistic or communications-related disciplines.

1503.00 – Comparative Literature
Comparison of literature of different cultures or eras, based on such dimensions as genre, theme, literary period, and language source.

1504.00 – Classics
Historical works of literature, religious thought, intellectual and social history and related art forms accepted as seminal in a culture or discipline.

1506.00 – Speech Communication
Theory and methods of group communication and public address, including the development and use of language and the analysis of speech and other communication behaviors and actions.

1507.00 – Creative Writing
Short story, poetry, and novel, including the detailed study of published models with emphasis on the creative process.

1509.00 – Philosophy
Critical examination of the categories for describing reality, the nature and contexts of human experience, the methodology of rational inquiry, and criteria of practice, including ethics, esthetics, logic, and the history of ideas.

1510.00 – Religious Studies (Theological professions excluded)
Nature, function, origin, history, and tenets of the various religions.

1520.00 Reading
Theory and methods of reading including vocabulary, comprehension, fluency, critical and analytical reading.

1599.00 – Other Humanities
Specify.

TOP 16 – Library Science

Pre-professional transfer and paraprofessional programs that prepare individuals to assist professional librarians in acquiring and organizing media collections, and assisting in research and other services related to those resources.

1601.00 – Library Science, General
Introduction to the structures and procedures of acquiring and organizing collections of resource materials in print and other media and conducting research using those resources.

*** 1602.00 – Library Technician (Aide)**
Techniques necessary to assist librarians or to conduct library activities under the direction of library staff.

1699.00 – Other Library Science
Specify.

TOP 17 – Mathematics

Instructional programs in the science of numbers, space configurations, and their operations, computations, measurements, relationships, applications and abstractions. Mathematics is a broad field of study that examines properties and interactions using numbers, graphing, equations, reasoning and logic for both real utilitarian problems and abstract concepts.

1701.00 – Mathematics, General
Science of numbers and space configurations and their operations, measurements, computations, relationships, applications and abstractions. Theoretical topics in computer science, statistics, astronomy, or other sciences may be included when treated as mathematical constructs or used as examples for the application of mathematical concepts and operations.

1702.00 – Mathematics Skills
Designed to clarify and develop specific supplementary skills to help students succeed in particular concepts fundamental to mathematics, such as factoring, math anxiety, word problems, scientific and graphing calculators, etc.

1799.00 – Other Mathematics
Specify.

TOP 18 – Military Studies

Instructional programs in the techniques and skills unique to the pursuit of a professional career as a military officer.

1801.00 – Military Science
History, strategy, logistics, and techniques of organized warfare and its conduct via air, land, and sea forces.

1899.00 – Other Military Studies
Specify.

TOP 19 – Physical Sciences

Instructional programs in the basic nature of matter, energy, systems, and associated phenomena.

1901.00 – Physical Sciences, General
Matter, energy, chemical and other systems, and associated phenomena.

1902.00 – Physics, General
Physical properties and interactions of matter and energy, including equilibrium, power, wave phenomena, mechanics, heat, electricity, magnetism, sound, light, special relativity, and the particle nature of matter.

1905.00 – Chemistry, General
Subatomic particles, elements, compounds, and other forms of matter: their detection, occurrence, composition, structure, properties, determination, interactions, transformations, changes of state, energy relationship; and the governing laws.

1911.00 – Astronomy
Matter and energy in the universe, i.e., the solar system, stars, galaxies and nebula, their history and dynamics, and related theories and cases.

1914.00 – Geology
The structure, composition, origin, history, distribution and modification of materials upon and within the earth and other celestial bodies.

1919.00 – Oceanography
The physical and chemical properties of water, the topography and composition of the ocean bottom, waves, currents, tides, the formation of islands, and related subjects.

*** 1920.00 – Ocean Technology**
Procedures and techniques used to measure and analyze ocean currents, seas, and other major bodies of water and ocean life, including the operation and/or maintenance and repair of related equipment and instruments. Includes aquarium technology and aquaculture.

1930.00 – Earth Science
Interdisciplinary study of the natural phenomena of the Earth as they affect human interactions in the environment. May include elements from geology, physical geography, meteorology and climatology, environmental resources, soil science, physical oceanography, and other disciplines.

1999.00 – Other Physical Sciences
Specify.

TOP 20 – Psychology

Instructional programs in the objective behavior and subjective experience of the individual organism. It is also the associated professional discipline which applies its findings in service to the individual, industry, and government.

2001.00 – Psychology, General
The objective behavior and the subjective experience of human beings.

2003.00 – Behavioral Science
Programs that combine psychology with coursework from one or more social sciences.

2099.00 – Other Psychology
Specify.

TOP 21 – Public and Protective Services

Instructional programs in the theories and techniques of the formulation, implementation and evaluation of public policies and services, including public safety occupations. Includes developing and improving competencies in the management and operation of government agencies.

*** 2102.00 – Public Administration**
Policy development and implementation in management of public services, public works, and public utilities.

*** 2102.10 – Public Works**
Practical instruction in street construction and maintenance and other public infrastructure services.

*** 2104.00 – Human Services**
Theory and practice in providing human and social services to individuals and communities. Preparation for work in public and private human services organizations.

*** 2104.40 – Alcohol and Controlled Substances**
Prepares individuals with an integrated theoretical and practical experience to develop skills necessary to work in the field of alcohol/drug abuse, as well as with families or employers of chemically dependent persons.

*** 2104.50 – Disability Services**
Principles and techniques of providing counseling, supervision, and supportive services for persons with developmental and other disabilities.

*** 2105.00 – Administration of Justice**
Theories, principles, and techniques of law enforcement agencies, juvenile justice, and corrections.

*** 2105.10 – Corrections**
Theories, principles and techniques of providing services to the incarcerated.

*** 2105.20 – Probation and Parole**
Principles and techniques governing the probation and parole of legal offenders.

*** 2105.30 – Industrial and Transportation Security**
Techniques involved in providing security services to institutions, government entities, and the general public. Includes airport and airline security.

*** 2105.40 – Forensics, Evidence, and Investigation**
Theories, principles, and techniques of forensic science and investigation in the justice system.

*** 2105.50 – Police Academy**
Principles and techniques of law enforcement specific to the requirements of the California Commission on Peace Officer Standards and Training (POST).

*** 2133.00 – Fire Technology**
Principles and techniques of preventing, controlling and extinguishing fires, including firefighter operations, maintenance of fire fighting equipment, fire rescue procedures, and applicable laws and regulations.

*** 2133.10 – Wildland Fire Technology**
Principles and techniques of wildland firefighting including weather, topography, fuels and fuel moisture as it affects wildland fire behavior. Wildland fire prevention and specific training in logistics, investigation, and management of large wildland fires.

*** 2133.50 – Fire Academy**
Studies specific to local and state training requirements for employment and post-employment advancement.

*** 2140.00 – Legal and Community Interpretation**
Training in providing English-foreign language interpreting and translating services to aid clients in the legal and social services systems and in other governmental or community contexts.

*** 2199.00 – Other Public and Protective Services**
Specify *(includes all emerging occupations)*.

TOP 22 – Social Sciences

Instructional programs in all aspects of the past and present activities, conduct, interactions and organizations of humans.

2201.00 – Social Sciences, General
Programs that combine coursework from various different disciplines within the social sciences.

2201.10 – Women's Studies
History, sociology, culture of women, and development of modern feminism in relation to historical roles played by women.

2201.20 – American Studies
History, society, politics, culture, and economics of the United States and pre-Columbian predecessors.

2202.00 – Anthropology
The origins, physical and cultural development, technologies, social customs, and beliefs of mankind.

2202.20 – Archaeology
Study of extinct societies, and the past of living societies, via interpretation of their remains.

2203.00 – Ethnic Studies
Programs that focus on the culture and history of ethnic and minority groups.

2204.00 – Economics
Study of limited resources, their use in producing goods and services, and their allocation and consumption; and related theories, principles, and techniques.

2205.00 – History
The past, including the recording, gathering, criticizing, synthesizing, and interpreting evidence about past events.

2206.00 – Geography
Earth and its life in land, sea, and air, including the distribution of plant and animal life, human beings, human settlements and industries, and the interaction of these factors.

*** 2206.10 – Geographic Information Systems**
Computer-based tools for acquiring, editing, storing, analyzing, and visualizing geographically referenced information, with applications in research, education, management, and planning. Includes Global Positioning System (GPS).

2207.00 – Political Science
Description and analysis of political institutions and processes, including the origin, development, geographical units, forms, sources of authority, powers, purposes, functions and operations of government and related theories of social benefit.

2207.10 – Student Government

2208.00 – Sociology
Human society, social institutions, and social relationships, including such things as the development, purposes, structures, functions, and interactions of human groups.

2210.00 – International Studies
Programs that focus on global and international issues from the perspective of the social sciences and related fields.

2210.10 – Area Studies
Programs that focus on defined regions or countries of the world.

2299.00 – Other Social Sciences
Specify.

TOP 30 – Commercial Services

Instructional programs that include those subject field designations associated with the development of skills required for the field of commerce.

*** 3005.00 – Custodial Services**
Care of buildings, fixtures, furnishings, and floor surfaces, including the use and care of tools, chemicals, clean procedures and the scheduling of work, and the purchasing of custodial supplies.

*** 3007.00 – Cosmetology and Barbering**
Care and styling of hair, and care of complexion, hands and feet, including hygiene, customer relations, and salon management.

*** 3008.00 – Dry Cleaning**
Operation and management of dry cleaning and laundering plants.

*** 3009.00 – Travel Services and Tourism**
Promotion of tourism, marketing, booking, and other services provided by travel agents and travel-related companies.

*** 3020.00 – Aviation and Airport Management and Services**
Programs related to air transportation systems and services.

- *** 3020.10 – Aviation and Airport Management**
  Training in airport and aviation operations, ground support and ground traffic direction, passenger and cargo operations, flight and terminal safety and security, aviation regulations, and business aspects of aviation and airports.

- *** 3020.20 – Piloting**
  Operation of commercial and private aircraft, including piloting, navigation, and passenger services.

- *** 3020.30 – Air Traffic Control**
  Air traffic management and flight control, including radar plotting, radio communications, aviation weather, instrumentation, and maintenance of flight control logs.

- *** 3020.40 – Flight Attendant**
  Knowledge and skills used in service of the safety and comfort of airline passengers.

*** 3099.00 – Other Commercial Services**
Specify *(includes all emerging occupations)*.

TOP 49 – Interdisciplinary Studies

Instructional programs that include those subject field designations which involve more than one major discipline without primary concentration in any one area. Also, courses in guidance, student success, and other categories, which do not fall into any other discipline, may be coded in the 6-digit 4930.xx series or 4931.00 through 4999.00.

4901.00 – Liberal Arts and Sciences, General
Provides for a wide distribution of courses that contribute to a balance of intellectual interests in the disciplines of this category.

4901.10 – Transfer Preparation
Includes Certificates of Achievement based on the Intersegmental General Education Transfer Curriculum (IGETC), the California State University General Education-Breadth requirements or transfer patterns established by accredited public postsecondary institutions in adjacent states that award the baccalaureate degree.

4901.20 – Liberal Studies (*teaching preparation)*
Programs specifically designed to meet requirements for a Liberal Studies university major, for students intending to pursue a Multiple Subject teaching credential.

4902.00 – Biological and Physical Sciences (and Mathematics)
Provides for a wide distribution of courses that contribute to a balance of intellectual interests in the disciplines of this category.

4903.00 – Humanities
Provides for a wide distribution of courses that contribute to a balance of intellectual interests in the disciplines of this category.

4903.10 – Humanities and Fine Arts
4903.30 – Humanities and Social Sciences

4930.00 – General Studies
This code can not be used for courses.

Specific codes for courses that provide general studies:

Use one of the following six digit codes for courses in orientation, leadership, personal dynamics, study skills, and other subjects that contribute to the capacity of students to succeed in college.

4930.09 – Supervised Tutoring
4930.10 – Career Guidance and Orientation
4930.11 – Interpersonal Skills
4930.12 – Job Seeking/Changing Skills
4930.13 – Academic Guidance
4930.14 – Study Skills
4930.30 – Learning Skills, Disabled
4930.31 – Living Skills, Disabled
4930.32 – Learning Skills, Learning Disabled
4930.33 – Learning Skills, Speech Impaired
4930.60 – Elementary Education (Grades 1-8)
4930.62 – Secondary Education (Grades 9-12) and G.E.D.
4930.72 – Leadership Skills Development
4930.84 – English as a Second Language–Writing
4930.85 – English as a Second Language–Reading
4930.86 – English as a Second Language–Speaking/Listening
4930.87 – English as a Second Language–Integrated[2]
4930.90 – Citizenship (and ESL Civics)

*** 4931.00 – Vocational ESL**

*** 4932.00 – General Work Experience**[3]
Supervised employment intended to assist students in acquiring desirable work habits, attitudes, and career awareness.

4999.00 – Other Interdisciplinary Studies
Specify.

[2] ESL-Integrated includes courses that integrate reading, writing, and listening/speaking in a single course and are taught in a sequence.
[3] Occupational Work Experience, as defined by Title 5, Section 55252 and that are included in an occupational program, should be reported in the T.O.P. code that designates the occupation in which the experience takes place.

APPENDIX A

CROSSWALK TABLE—5TH EDITION OF TAXONOMY OF PROGRAMS TO 6TH EDITION

italic = title has been changed
bold italic underline = code has been changed
Note: In all but two cases, where codes have been changed, the 5th edition code has been deleted and cannot be used for future data. Two codes had to be reused. They are 0949.00 (Upholstery Repair–Automotive in the 5th edition; Automotive Collision Repair in the 6th edition) and 1035.40 (Nanny Training in the 5th edition; Preschool Age Children in the 6th edition). Colleges with any data in 0949.00 or 1305.40 for the 2004-05 data year or prior years should be sure to convert those data to 0949.10 and 1305.00, respectively.

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
0101.00	Agriculture Technology and Sciences, General	0101.00	Agriculture Technology and Sciences, General
0102.00	Animal Science	0102.00	Animal Science
0102.10	Animal Health Technician (Licensed)	0102.10	*Veterinary Technician (Licensed)*
0102.20	Artificial Inseminator (Licensed)	0102.20	Artificial Inseminator (Licensed)
0103.00	Plant Science	0103.00	Plant Science
0103.10	Agricultural Pest Control Advisor and Operator (Licensed)	0103.10	Agricultural Pest Control Advisor and Operator (Licensed)
0109.00	Ornamental Horticulture	0109.00	*Horticulture*
0109.10	Landscape Design and Maintenance	0109.10	Landscape Design and Maintenance
0109.20	Floriculture/Floristry	0109.20	Floriculture/Floristry
0112.00	Agriculture Business, Sales, and Service	0112.00	Agriculture Business, Sales, and Service
0114.00	Forestry	0114.00	Forestry
0115.00	Natural Resources	0115.00	Natural Resources
0115.10	Parks and Recreation	0115.10	*Parks and Outdoor Recreation*
0116.00	Agricultural Power Equipment Technology	0116.00	Agricultural Power Equipment Technology
0199.00	Other Agriculture and Natural Resources	0199.00	Other Agriculture and Natural Resources
0201.00	Architectural Technology	*0201.00*	*Architecture and Architectural Technology*

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
0202.00	Architectural Model Building	***0201.00***	*Architecture and Architectural Technology*
0202.00	Architectural Model Building		*Deleted*
0299.00	Other Architecture and Environmental Design	0299.00	Other Architecture and Environmental Design
0401.00	Natural (Life) Science, General	0401.00	*Biology, General*
0401.10	Biology	***0401.00***	*Biology, General*
0401.10	Biology		*Deleted*
0402.00	Botany, General	0402.00	Botany, General
0403.00	Bacteriology	0403.00	*Microbiology*
0407.00	Zoology, General	0407.00	Zoology, General
0410.00	Physiology (includes Anatomy)	0410.00	Physiology (includes Anatomy)
0420.00	Ecology	***0302.00***	Environmental Studies
0420.00	Ecology		*Deleted*
0430.00	Biotechnology and Biomedical Technology	0430.00	Biotechnology and Biomedical Technology
0499.00	Other Biological Sciences	0499.00	Other Biological Sciences
0501.00	Business and Commerce, General	0501.00	Business and Commerce, General
0502.00	Accounting	0502.00	Accounting
0504.00	Banking and Finance	0504.00	Banking and Finance
0506.00	Business Management	0506.00	Business Management
0506.30	Management Development and Supervision	0506.30	Management Development and Supervision
0509.00	Marketing and Distribution	0509.00	Marketing and Distribution
0509.10	Advertising	0509.10	Advertising
0509.20	Purchasing	0509.20	Purchasing
0509.50	Marketing (including Sales and Salesmanship)	***0509.00***	Marketing and Distribution
0509.50	Marketing (including Sales and Salesmanship)		*Deleted*
0509.60	Display	0509.60	Display
0509.90	International Trade	***0508.00***	*International Business and Trade*
0509.90	International Trade		*Deleted*
0510.00	Transportation and Materials Moving	0510.00	*Logistics and Materials Transportation*

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
0510.20	Logistics	***0510.00***	*Logistics and Materials Transportation*
0510.20	Logistics		*Deleted*
0510.60	Advanced Transportation Technology	***0948.40***	*Alternative Fuels and Advanced Transportation Technology*
0510.60	Advanced Transportation Technology		*Deleted*
0511.00	Real Estate	0511.00	Real Estate
0512.00	Insurance	0512.00	Insurance
0514.00	Secretary/Administrative Assistant	0514.00	*Office Technology/Office Computer Applications*
0514.10	Legal Secretary/Legal Administrative Assistant	0514.10	*Legal Office Technology*
0514.20	Medical Secretary/Medical Administrative Assistant	0514.20	*Medical Office Technology*
0514.30	Court Reporting	0514.30	Court Reporting
0516.00	Labor and Industrial Relations	0516.00	Labor and Industrial Relations
0599.00	Other Business and Management	0599.00	Other Business and Management
0601.00	Communications, General	0601.00	*Media and Communications, General*
0602.00	Journalism	0602.00	Journalism
0603.00	Radio, Motion Picture, and Television		*No longer available – Historical only*
0605.00	Audio-Visual Technician		*No longer available – Historical only*
0606.00	Public Relations	0606.00	Public Relations
0607.00	Technical Writing	0607.00	*Technical Communication*
0699.00	Other Communications	0699.00	Other Communications
0701.00	Computer and Information Science, General	0701.00	*Information Technology, General*
0703.00	Data Processing–Operations	***0701.00***	*Information Technology, General*
0703.00	Data Processing–Operations		*Deleted*
0704.00	Computer Programming	***0707.10***	Computer Programming
0704.00	Computer Programming		*Deleted*
0705.00	Computer Systems Analysis	***0707.30***	Computer Systems Analysis
0705.00	Computer Systems Analysis		*Deleted*

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
0799.00	Other Computer and Information Sciences	0799.00	*Other Information Technology*
0801.00	Education, General (Pre-Professional) (Transfer)	0801.00	Education, General (Pre-Professional) (Transfer)
0808.00	Special Education, General	***0809.00***	*Special Education*
0808.00	Special Education, General		*Deleted*
0809.00	Special Education Service/Aide	0809.00	*Special Education*
0835.00	Physical Education	0835.00	Physical Education
0835.10	Physical Fitness and Body Movement	0835.10	Physical Fitness and Body Movement
0835.30	Physical Education “Major”	***0835.00***	*Physical Education*
0835.30	Physical Education “Major”		*Deleted*
0835.50	Intercollegiate Athletics	0835.50	Intercollegiate Athletics
0837.00	Health Education	0837.00	Health Education
0839.00	Industrial Arts (Transfer)	0839.00	Industrial Arts (Transfer)
0899.00	Other Education	0899.00	Other Education
0901.00	Engineering, General (requires Calculus) (Transfer)	0901.00	Engineering, General (requires Calculus) (Transfer)
0924.00	Engineering Technology, General (requires Trigonometry)	0924.00	Engineering Technology, General (requires Trigonometry)
0925.00	Drafting and Design Technology (requires Trigonometry)	***0953.00***	Drafting Technology
0925.00	Drafting and Design Technology (requires Trigonometry)		*Deleted*
0933.00	Radiation Technology–Non-Medical		*No longer available – Historical only*
0934.00	Electronics and Electric Technology	0934.00	Electronics and Electric Technology
0934.20	Industrial Electronics	0934.20	Industrial Electronics
0934.40	Electrical/Power Transmission	0934.40	*Electrical Systems and Power Transmission*
0934.50	Electrical/Power Distribution	***0934.40***	*Electrical Systems and Power Transmission*
0934.50	Electrical/Power Distribution		*Deleted*

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
0934.70	Electron Microscopy	0934.70	Electron Microscopy
0934.80	Laser Technology	0934.80	*Laser and Optical Technology*
0934.90	Electrical Maintenance	***0934.40***	*Electrical Systems and Power Transmission*
0934.90	Electrical Maintenance		*Deleted*
0935.00	Electro-Mechanical/Robotics Technology	0935.00	*Electro-Mechanical Technology*
0935.10	Appliance Repair	0935.10	Appliance Repair
0935.20	Business Machine Maintenance		*No longer available – Historical only*
0936.00	Printing and Lithography	0936.00	Printing and Lithography
0937.00	Tool and Machine Design Technology	***0956.00***	*Manufacturing and Industrial Technology*
0937.00	Tool and Machine Design Technology		*Deleted*
0943.00	Instrumentation Technology	0943.00	Instrumentation Technology
0943.20	Biotechnology Instrumentation	***0934.60***	*Biomedical Instrumentation*
0943.20	Biotechnology Instrumentation		*Deleted*
0943.30	Vacuum Technology	0943.30	Vacuum Technology
0945.00	Mechanical Technology, General	0945.00	*Industrial Systems Technology and Maintenance*
0945.10	Environmental Control Technology (HVAC)	***0946.00***	Environmental Control Technology (HVAC)
0945.10	Environmental Control Technology (HVAC)		*Deleted*
0945.50	Energy Conversion Systems Technology	***0946.10***	*Energy Systems Technology*
0945.50	Energy Conversion Systems Technology		*Deleted*
0947.00	Diesel Technology	0947.00	Diesel Technology
0947.20	Heavy Equipment Maintenance	0947.20	Heavy Equipment Maintenance
0947.30	Heavy Equipment Operation	0947.30	Heavy Equipment Operation
0948.00	Automotive Technology	0948.00	Automotive Technology
0948.20	Automotive Collision Repair	***0949.00***	Automotive Collision Repair
0948.20	Automotive Collision Repair		*Deleted*
0948.30	Motorcycle, Outboard, and Small Engine Repair	0948.30	Motorcycle, Outboard, and Small Engine Repair
0949.00	Upholstery Repair–Automotive	***0949.10***	Upholstery Repair–Automotive

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
	0949.00 is being reused	*0949.00*	*Automotive Collision Repair*
0950.00	Aeronautical and Aviation Technology	0950.00	Aeronautical and Aviation Technology
0950.10	Aviation Airframe Mechanics	0950.10	Aviation Airframe Mechanics
0950.20	Aviation Powerplant Mechanics	0950.20	Aviation Powerplant Mechanics
0950.30	Commercial Pilot	***3020.20***	*Piloting*
0950.30	Commercial Pilot		*Deleted*
0950.40	Aircraft Electronics	0950.40	*Aircraft Electronics (Avionics)*
0952.00	Construction Crafts Technology	0952.00	Construction Crafts Technology
0952.10	Carpentry	0952.10	Carpentry
0952.20	Electrical	0952.20	Electrical
0952.30	Plumbing, Pipefitting, and Steamfitting	0952.30	Plumbing, Pipefitting, and Steamfitting
0952.40	Glazing	0952.40	Glazing
0952.50	Mill and Cabinet Work	0952.50	Mill and Cabinet Work
0952.60	Masonry, Tile, Cement, and Lath and Plaster	0952.60	Masonry, Tile, Cement, and Lath and Plaster
0952.70	Painting and Decorating	0952.70	*Painting, Decorating, and Flooring*
0952.80	Drywall and Insulation	0952.80	Drywall and Insulation
0952.90	Roofing	0952.90	Roofing
0953.00	Drafting Technology	0953.00	Drafting Technology
0953.60	Technical Illustration	0953.60	Technical Illustration
0954.00	Chemical Technology	0954.00	Chemical Technology
0954.20	Plastics	0954.20	*Plastics and Composites*
0954.30	Petroleum Technology	0954.30	Petroleum Technology
0955.00	Laboratory Science Technology	0955.00	Laboratory Science Technology
0956.00	Industrial/Manufacturing Technology	0956.00	*Manufacturing and Industrial Technology*
0956.30	Machine Tool/Machine Shop	0956.30	*Machining and Machine Tools*
0956.40	Sheet Metal	0956.40	*Sheet Metal and Structural Metal*
0956.50	Welding and Cutting	0956.50	*Welding Technology*
0956.80	Industrial Quality Control	0956.80	Industrial Quality Control

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
0957.00	Civil and Construction Management Technology	0957.00	Civil and Construction Management Technology
0957.20	Construction Inspection	0957.20	Construction Inspection
0957.30	Surveying	0957.30	Surveying
0958.00	Sanitation and Public Health Technology	0958.00	*Water and Wastewater Technology*
0958.30	Industrial Safety Technology	***0956.70***	*Industrial and Occupational Safety and Health*
0958.30	Industrial Safety Technology		*Deleted*
0959.00	Marine Technology	0959.00	Marine Technology
0959.10	Diving and Underwater Safety	0959.10	Diving and Underwater Safety
0961.00	Optics	0961.00	Optics
0962.00	Musical Instrument Repair	0962.00	Musical Instrument Repair
0999.00	Other Engineering and Related Industrial Technologies	0999.00	*Other Engineering and Related Industrial Technology*
1001.00	Fine Arts, General	1001.00	Fine Arts, General
1002.00	Art (Painting, Drawing, and Sculpture)	1002.00	Art (Painting, Drawing, and Sculpture)
1002.10	Painting and Drawing	1002.10	Painting and Drawing
1002.20	Sculpture	1002.20	Sculpture
1002.30	Ceramics	1002.30	Ceramics
1004.00	Music	1004.00	Music
1004.10	Performance (Choral, Band, etc.)	***1004.00***	*Music*
1004.10	Performance (Choral, Band, etc.)		*Deleted*
1004.20	Composition and Theory	***1004.00***	*Music*
1004.20	Composition and Theory		*Deleted*
1005.00	Commercial Music	1005.00	Commercial Music
1006.00	Technical Theater	1006.00	Technical Theater
1007.00	Dramatic Arts	1007.00	Dramatic Arts
1008.00	Dance	1008.00	Dance
1009.00	Applied Design	1009.00	Applied Design

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
1009.10	Jewelry	1009.10	Jewelry
1011.00	Photography	1011.00	Photography
1012.00	Applied Photography	1012.00	Applied Photography
1012.10	Photography Laboratory Technician	***1012.00***	*Applied Photography*
1012.10	Photography Laboratory Technician		*Deleted*
1012.20	Commercial Photography	***1012.00***	*Applied Photography*
1012.20	Commercial Photography		*Deleted*
1013.00	Commercial Art	1013.00	Commercial Art
1030.00	Graphic Arts	1030.00	*Graphic Art and Design*
1030.20	Computer Graphics		*No longer available – Historical only*
1099.00	Other Fine and Applied Arts	1099.00	Other Fine and Applied Arts
1101.00	Foreign Languages, General	1101.00	Foreign Languages, General
1102.00	French	1102.00	French
1103.00	German	1103.00	German
1104.00	Italian	1104.00	Italian
1105.00	Spanish	1105.00	Spanish
1106.00	Russian	1106.00	Russian
1107.00	Chinese	1107.00	Chinese
1108.00	Japanese	1108.00	Japanese
1109.00	Latin	1109.00	Latin
1110.00	Greek (Classical)	1110.00	*Greek*
1111.00	Hebrew and Semitic	1111.00	Hebrew and Semitic
1112.00	Arabic	1112.00	Arabic
1116.00	African Languages (Non-Semitic)	1116.00	African Languages (Non-Semitic)
1117.00	Asian, South Asian, and Pacific Islands (Chinese and Japanese excluded)	1117.00	Asian, South Asian, and Pacific Islands (Chinese and Japanese excluded)
1117.10	Filipino	1117.10	*Filipino (Tagalog)*
1119.00	Portuguese (Classical)	1119.00	*Portuguese*

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
1199.00	Other Foreign Languages	1199.00	Other Foreign Languages
1201.00	Health Professions, General	1201.00	*Health Occupations, General*
1201.20	Medicine, General		*No longer available – Historical only*
1202.00	Hospital and Health Care Administration	1202.00	Hospital and Health Care Administration
1202.20	Hospital Staff Development		*No longer available – Historical only*
1203.00	Nursing, R.N.	***1230.10***	*Registered Nursing*
1203.00	Nursing, R.N.		*Deleted*
1203.20	Nursing, L.V.N.	***1230.20***	*Licensed Vocational Nursing*
1203.20	Nursing, L.V.N.		*Deleted*
1203.30	Certified Nurse Assistant	***1230.30***	Certified Nurse Assistant
1203.30	Certified Nurse Assistant		*Deleted*
1203.50	Hospital Ward Clerk	***1208.30***	*Health Facility Unit Coordinator*
1203.50	Hospital Ward Clerk		*Deleted*
1203.60	Hospital Central Service Technician	***1209.00***	Hospital Central Service Technician
1203.60	Hospital Central Service Technician		*Deleted*
1203.70	Medical Assistant/Medical Office Technician	***1208.00***	*Medical Assisting*
1203.70	Medical Assistant/Medical Office Technician		*Deleted*
1203.80	Home Health Aide	1230.80	Home Health Aide
1203.80	Home Health Aide		*Deleted*
1204.00	Dental Technician	***1240.30***	*Dental Laboratory Technician*
1204.00	Dental Technician		*Deleted*
1204.10	Dental Assistant	***1240.10***	*Dental Assistant*
1204.10	Dental Assistant		*Deleted*
1204.20	Dental Hygienist	***1240.20***	Dental Hygienist
1204.20	Dental Hygienist		*Deleted*
1205.00	Medical Laboratory Technology	1205.00	Medical Laboratory Technology
1206.00	Physicians Assistant	1206.00	Physicians Assistant

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
1207.00	Electro-Diagnostic Technology	1207.00	*No longer available – Historical only*
1210.00	Respiratory Care/Therapy	1210.00	Respiratory Care/Therapy
1213.00	Cardiovascular Technician	1213.00	Cardiovascular Technician
1214.00	Orthopedic Assistant	1214.00	Orthopedic Assistant
1217.00	Surgical Technician/O.R. Nursing	1217.00	*Surgical Technician*
1218.00	Occupational Therapy Technology	1218.00	Occupational Therapy Technology
1219.00	Optical Technology	1219.00	Optical Technology
1220.00	Speech Pathology and Audiology	1220.00	*Speech-Language Pathology and Audiology*
1221.00	Pharmacy Technician	1221.00	*Pharmacy Technology*
1222.00	Physical Therapy Assistant	1222.00	Physical Therapy Assistant
1222.10	Athletic Trainer	***1228.00***	*Athletic Training and Sports Medicine*
1222.10	Athletic Trainer		*Deleted*
1222.30	Recreation Therapy		*No longer available – Historical only*
1223.00	Health Information Technology	1223.00	Health Information Technology
1225.00	Radiological Technology	1225.00	*Radiologic Technology*
1225.10	Nuclear Therapy Technician	***1226.00***	*Radiation Therapy Technician*
1225.10	Nuclear Therapy Technician		*Deleted*
1225.30	Diagnostic Medical Sonography	***1227.00***	*Diagnostic Medical Sonography*
1225.30	Diagnostic Medical Sonography		*Deleted*
1239.00	Psychiatric Technician	1239.00	Psychiatric Technician
1250.00	Emergency Medical Technology	1250.00	*Emergency Medical Services*
1255.00	Mortuary Science	1255.00	Mortuary Science
1260.00	Health Professions, Core Curriculum	1260.00	*Health Professions, Transfer Core Curriculum*
1299.00	Other Health Occupations	1299.00	Other Health Occupations
1301.00	Consumer Education and Home Economics (Transfer)	1301.00	*Family and Consumer Sciences, General*
1302.00	Interiors (Environment, Design, and Merchandising)	1302.00	*Interior Design and Merchandising*

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
1303.00	Fashion	1303.00	Fashion
1303.10	Fashion Design	1303.10	Fashion Design
1303.20	Fashion Merchandising	1303.20	Fashion Merchandising
1303.30	Fashion Production	1303.30	Fashion Production
1304.00	Life Management	***1301.00***	*Family and Consumer Sciences, General*
1304.00	Life Management		*Deleted*
1305.00	Lifespan (Child Development, Family Studies, Gerontology)	1305.00	*Child Development/Early Care and Education*
1305.10	Child Development	***1305.00***	*Child Development/Early Care and Education*
1305.10	Child Development		*Deleted*
1305.20	Exceptional Child	1305.20	*Children with Special Needs*
1305.30	Gerontology	***1309.00***	Gerontology
1305.30	Gerontology		*Deleted*
1305.40	Nanny Training	***1305.00***	*Child Development/Early Care and Education*
	1035.40 is being reused	*1305.40*	*Preschool Age Children*
1306.00	Nutrition and Food	1306.00	*Nutrition, Foods, and Culinary Arts*
1306.10	Restaurant and Food Service Management	***1307.10***	*Restaurant and Food Services Management*
1306.10	Restaurant and Food Service Management		*Deleted*
1306.20	Dietetics	1306.20	*Dietetic Services and Management*
1306.30	Culinary Arts (Chef, Catering, Food Server)	1306.30	*Culinary Arts*
1306.40	Nutrition, Health and Fitness		*No longer available – Historical only*
1306.50	Food and Equipment Demonstration		*No longer available – Historical only*
1307.00	Hospitality	1307.00	Hospitality
1399.00	Other Consumer Education and Home Economics	1399.00	*Other Family and Consumer Sciences*
1401.00	Law, General	1401.00	Law, General
1402.00	Paralegal	1402.00	Paralegal

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
1499.00	Other Law	1499.00	Other Law
1501.00	English	1501.00	English
1503.00	Comparative Literature	1503.00	Comparative Literature
1504.00	Classics	1504.00	Classics
1506.00	Speech, Debate, and Forensic Science	1506.00	*Speech Communication*
1507.00	Creative Writing	1507.00	Creative Writing
1509.00	Philosophy	1509.00	Philosophy
1510.00	Religious Studies (Theological professions excluded)	1510.00	Religious Studies (Theological professions excluded)
1599.00	Other Humanities	1599.00	Other Humanities
1601.00	Library Science, General	1601.00	Library Science, General
1602.00	Library Technician (Aide)	1602.00	Library Technician (Aide)
1699.00	Other Library Science	1699.00	Other Library Science
1701.00	Mathematics, General	1701.00	Mathematics, General
1701.10	Mathematics, General (for Non-Majors)		*No longer available – Historical only*
1701.70	Technical Mathematics		*No longer available – Historical only*
1799.00	Other Mathematics	1799.00	Other Mathematics
1801.00	Military Science	1801.00	Military Science
1899.00	Other Military Studies	1899.00	Other Military Studies
1901.00	Physical Sciences, General	1901.00	Physical Sciences, General
1901.10	Environmental Studies	***0302.00***	Environmental Studies
1901.10	Environmental Studies		*Deleted*
1902.00	Physics, General	1902.00	Physics, General
1905.00	Chemistry, General	1905.00	Chemistry, General
1911.00	Astronomy	1911.00	Astronomy
1913.00	Atmospheric Sciences	***1999.00***	Other Physical Sciences
1913.00	Atmospheric Sciences		*Deleted*
1914.00	Geology	1914.00	Geology

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
1919.00	Oceanography	1919.00	Oceanography
1920.00	Ocean Technology	1920.00	Ocean Technology
1999.00	Other Physical Sciences	1999.00	Other Physical Sciences
2001.00	Psychology, General	2001.00	Psychology, General
2099.00	Other Psychology	2099.00	Other Psychology
2101.00	Community Services, General		*No longer available – Historical only*
2101.10	Volunteer Program Management	***2199.00***	*Other Public and Protective Services*
2101.10	Volunteer Program Management		*Deleted*
2101.20	Swimming and Lifesaving	***0835.70***	Aquatics and Lifesaving
2101.20	Swimming and Lifesaving		*Deleted*
2102.00	Public Administration	2102.00	Public Administration
2102.20	Ski Patrol Technician		*No longer available – Historical only*
2104.00	Social Work and Helping Services	2104.00	*Human Services*
2104.40	Alcohol and Controlled Substances	2104.40	Alcohol and Controlled Substances
2105.00	Administration of Justice	2105.00	Administration of Justice
2105.10	Corrections	2105.10	Corrections
2105.20	Probation and Parole	2105.20	Probation and Parole
2105.30	Industrial Security	2105.30	*Industrial and Transportation Security*
2105.50	Police Academy	2105.50	Police Academy
2107.00	Human Services		*No longer available – Historical only*
2107.50	Education Aide (Classroom Assistant)	***0802.00***	Educational Aide (Teacher Assistant)
2107.50	Education Aide (Classroom Assistant)		*Deleted*
2107.60	Recreation Assistant	***0836.10***	Recreation Assistant
2107.60	Recreation Assistant		*Deleted*
2107.80	School Health Aide	***1224.00***	School Health Clerk
2107.80	School Health Aide		*Deleted*
2133.00	Fire Control Technology	2133.00	*Fire Technology*
2133.50	Fire Academy	2133.50	Fire Academy

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
2135.00	Environmental Hazardous Material Control Technology	***0303.00***	*Environmental Technology*
2135.00	Environmental Hazardous Material Control Technology		*Deleted*
2199.00	Other Public Affairs and Services	2199.00	*Other Public and Protective Services*
2201.00	Social Sciences, General	2201.00	Social Sciences, General
2201.10	Women's Studies	2201.10	Women's Studies
2202.00	Anthropology	2202.00	Anthropology
2202.10	Ethnic Studies	***2203.00***	Ethnic Studies
2202.10	Ethnic Studies		*Deleted*
2202.20	Archaeology	2202.20	Archaeology
2204.00	Economics	2204.00	Economics
2205.00	History	2205.00	History
2206.00	Geography	2206.00	Geography
2207.00	Political Science	2207.00	Political Science
2207.10	Student Government	2207.10	Student Government
2208.00	Sociology	2208.00	Sociology
2299.00	Other Social Sciences	2299.00	Other Social Sciences
3005.00	Custodial Services		*No longer available – Historical Only*
3006.00	Barbering	***3007.00***	*Cosmetology and Barbering*
3006.00	Barbering		*Deleted*
3007.00	Cosmetology	3007.00	*Cosmetology and Barbering*
3008.00	Dry Cleaning	3008.00	Dry Cleaning
3009.00	Travel Services and Tourism	3009.00	Travel Services and Tourism
3009.10	Flight Attendant	***3020.40***	Flight Attendant
3009.10	Flight Attendant		*Deleted*
3099.00	Other Commercial Services	3099.00	Other Commercial Services
4901.00	Liberal Arts and Science, General	4901.00	*Liberal Arts and Sciences, General*

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
4902.00	Biological and Physical Sciences	4902.00	*Biological and Physical Sciences (and Mathematics)*
4903.00	Humanities	4903.00	Humanities
4903.10	Humanities and Fine Arts	4903.10	Humanities and Fine Arts
4903.30	Humanities and Social Sciences	4903.30	Humanities and Social Sciences
4904.00	Engineering Technology and Liberal Arts		*No longer available – Historical only*
4930.00	General Studies	4930.00	General Studies
4930.09	Supervised Tutoring	4930.09	Supervised Tutoring
4930.10	Guidance	4930.10	Guidance
4930.11	Interpersonal Skills	4930.11	Interpersonal Skills
4930.12	Job Seeking/Changing Skills	4930.12	Job Seeking/Changing Skills
4930.13	Academic Guidance	4930.13	Academic Guidance
4930.20	Communication Skills	4930.20	Communication Skills
4930.21	Writing	4930.21	Writing
4930.22	Speech (Oral)	4930.22	*Speech*
4930.30	Learning Skills, Handicapped	4930.30	Learning Skills, Handicapped
4930.31	Living Skills, Handicapped	4930.31	Living Skills, Handicapped
4930.32	Learning Skills, Learning Disabled	4930.32	Learning Skills, Learning Disabled
4930.33	Learning Skills, Speech Impaired	4930.33	Learning Skills, Speech Impaired
4930.40	Computational Skills	4930.40	Computational Skills
4930.41	Pre-Algebra (Basic Math/Arithmetic)	4930.41	Pre-Algebra (Basic Math/Arithmetic)
4930.42	Algebra, Geometry, and Trigonometry	***1701.00***	*Mathematics, General*
4930.42	Algebra, Geometry, and Trigonometry		*Deleted*
4930.60	Adult Basic Education (Grades 1-8)	4930.60	Adult Basic Education (Grades 1-8)
4930.62	High School Diploma Program/G.E.D.	4930.62	High School Diploma Program/G.E.D.
4930.70	Reading Skills	4930.70	*Reading Skills, Precollegiate*
4930.71	Speed Reading	4930.71	Speed Reading
4930.72	Skill Development	4930.72	Skill Development

5th Ed. Code	5th Edition Title	6th Ed. Code	6th Edition Title
4930.80	English as a Second Language–General		*Deleted (Sept. 2009)*
4930.81	English as a Second Language–College Level		*Deleted (Sept. 2009)*
4930.82	English as a Second Language–Survival Level		*Deleted (Sept. 2009)*
		4930.84	ESL Writing
		4930.85	ESL Reading
		4930.86	ESL Speaking/Listening
		4930.87	ESL Integrated
4930.90	Citizenship	4930.90	Citizenship
4931.00	Vocational ESL	4931.00	Vocational ESL
4999.00	Other Interdisciplinary Studies	4999.00	Other Interdisciplinary Studies

APPENDIX B1

CROSSWALK TABLE: 6TH EDITION TAXONOMY OF PROGRAMS TO
2000 CLASSIFICATION OF INSTRUCTIONAL PROGRAMS

6th Edition TOP Code and Title		2000 CIP Code and Title	
010100*	Agriculture Technology and Sciences, Gen	010000	Agriculture, General
010200*	Animal Science	010302	Animal/Livestock Husbandry and Production
010210*	Veterinary Technician (Licensed)	510808	Veterinary/Animal Health Technology/Technician and Veterinary Assistant
010220*	Artificial Inseminator (Licensed)	010399	Agricultural Production Operations, Other
010230*	Dairy Science	010306	Dairy Husbandry and Production
010240*	Equine Science	010507	Equestrian/Equine Studies
010300*	Plant Science	010304	Crop Production
010310*	Agricultural Pest Control Adviser and Operator (Licensed)	010399	Agricultural Production Operations, Other
010400*	Viticulture, Enology, and Wine Business	010399	Agricultural Production Operations, Other
010900*	Horticulture	010601	Applied Horticulture/Horticulture Operations, General
010910*	Landscape Design and Maintenance	010605	Landscaping and Groundskeeping
010920*	Floriculture /Floristry	010608	Floriculture/Floristry Operations and Management
010930*	Nursery Technology	010606	Plant Nursery Operations and Management
010940*	Turfgrass Technology	010607	Turf and Turfgrass Management
011200*	Agriculture Business, Sales and Service	010102	Agribusiness/Agricultural Business Operations
011300*	Food Processing and Related Technologies	011002	Food Technology and Processing
011400*	Forestry	030501	Forestry, General
011500*	Natural Resources	030101	Natural Resources/Conservation, General
011510*	Parks and Outdoor Recreation	310301	Parks, Recreation and Leisure Facilities Management
011520*	Wildlife and Fisheries	030601	Wildlife and Wildlands Science and Management
011600*	Agricultural Power Equipment Technology	010205	Agricultural Mechanics and Equipment/Machine Technology
019900*	Other Agriculture and Natural Resources	019999	Agriculture, Agriculture Operations, and Related Sciences, Other
020100*	Architecture and Architectural Technology	040901	Architectural Technology/Technician

6th Edition TOP Code and Title		2000 CIP Code and Title	
020110	Landscape Architecture (transfer)	040601	Landscape Architecture
029900*	Other Architecture and Environmental Design	049999	Architecture and Related Services, Other
030100	Environmental Science	030104	Environmental Science
030200	Environmental Studies	030103	Environmental Studies
030300*	Environmental Technology	150508	Hazardous Materials Management and Waste Technology/Technician
039900	Environmental Sciences and Technologies, Other	039999	Natural Resources and Conservation, Other
040100	Biology, General	260101	Biology/Biological Sciences, General
040200	Botany, General	260301	Botany/Plant Biology
040300	Microbiology	260502	Microbiology, General
040700	Zoology, General	260701	Zoology/Animal Biology
040800	Natural History	309999	Multidisciplinary Studies, Other
041000	Anatomy and Physiology	260901	Physiology, General
043000*	Biotechnology and Biomedical Technology	410101	Biology Technician/Biotechnology Laboratory Technician
049900	Other Biological Sciences	269999	Biological and Biomedical Sciences, Other
050100*	Business and Commerce, General	520101	Business/Commerce, General
050200*	Accounting	520301	Accounting
050210*	Tax Studies	521601	Taxation
050400*	Banking and Finance	520803	Banking and Financial Support Services
050500*	Business Administration	520201	Business Administration and Management, General
050600*	Business Management	520201	Business Administration and Management, General
050630*	Management Development and Supervision	520204	Office Management and Supervision
050640*	Small Business and Entrepreneurship	520703	Small Business Administration/Management
050650*	Retail Store Operations and Management	521803	Retailing and Retail Operations
050800*	International Business and Trade	521101	International Business/Trade/Commerce
050900*	Marketing and Distribution	521801	Sales, Distribution, and Marketing Operations, General
050910*	Advertising	090903	Advertising
050920*	Purchasing	520202	Purchasing, Procurement/Acquisitions and Contracts Management
050940*	Sales and Salesmanship	521804	Selling Skills and Sales Operations
050960*	Display	521899	General Merchandising, Sales, and Related Marketing Operations, Other
050970*	E-Commerce (business emphasis)	520208	E-Commerce/Electronic Commerce

6th Edition TOP Code and Title		2000 CIP Code and Title	
051000*	Logistics and Materials Transportation	520203	Logistics and Materials Management
051100*	Real Estate	521501	Real Estate
051110*	Escrow	521501	Real Estate
051200*	Insurance	521701	Insurance
051400*	Office Technology/Office Computer Applications	520401	Administrative Assistant and Secretarial Science, General
051410*	Legal Office Technology	220301	Legal Administrative Assistant/Secretary
051420*	Medical Office Technology	510716	Medical Administrative/Executive Assistant and Medical Secretary
051430*	Court Reporting	220303	Court Reporting/Court Reporter
051440*	Office Management	520204	Office Management and Supervision
051600*	Labor and Industrial Relations	521002	Labor and Industrial Relations
051800*	Customer Service	520411	Customer Service Support/Call Center/Teleservice Operation
059900*	Other Business and Management	529999	Business, Management, Marketing and Related Support Services, Other
060100	Media and Communications, General	090102	Mass Communications/Media Studies
060200*	Journalism	090401	Journalism
060400*	Radio and Television	090701	Radio and Television
060410*	Radio	090701	Radio and Television
060420*	Television (including combined TV/film/video)	090701	Radio and Television
060430*	Broadcast Journalism	090402	Broadcast Journalism
060600*	Public Relations	090902	Public Relations/Image Management
060700*	Technical Communication	231101	Technical and Business Writing
061000*	Mass Communications	090102	Mass Communication/Media Studies
061200	Film Studies	500601	Film/Cinema Studies
061210	Film History and Criticism	500601	Film/Cinema Studies
061220*	Film Production	500602	Cinematography and Film/Video Production
061400*	Digital Media	090702	Digital Communication and Media/Multimedia
061410*	Multimedia	090702	Digital Communication and Media/Multimedia
061420*	Electronic Game Design	100304	Animation, Interactive Technology, Video Graphics and Special Effects
061430*	Website Design and Development	110801	Web Page, Digital/Multimedia and Information Resource Design
061440*	Animation	100304	Animation, Interactive Technology, Video Graphics and Special Effects
061450*	Desktop Publishing	100303	Prepress/Desktop Publishing and Digital Imaging Design
061460*	Computer Graphics and Digital Imagery	110803	Computer Graphics

6th Edition TOP Code and Title		2000 CIP Code and Title	
069900*	Other Media and Communications	099999	Communication, Journalism, and Related Programs, Other
070100*	Information Technology, General	110101	Computer and Information Sciences, General
070200*	Computer Information Systems	110103	Information Technology
070210*	Software Applications	110601	Data Entry/Microcomputer Applications, General
070600	Computer Science (transfer)	110701	Computer Science
070700*	Computer Software Development	110201	Computer Programming/Programmer, General
070710*	Computer Programming	110201	Computer Programming/Programmer, General
070720*	Database Design and Administration	110802	Data Modeling/Warehousing and Database Administration
070730*	Computer Systems Analysis	110501	Computer Systems Analysis/Analyst
070800*	Computer Infrastructure and Support	111001	System Administration/Administrator
070810*	Computer Networking	110901	Computer Systems Networking and Telecommunications
070820*	Computer Support	111001	System Administration/Administrator
070900*	World Wide Web Administration	111004	Web/Multimedia Management and Webmaster
070910*	E-Commerce (technology emphasis)	520208	E-Commerce/Electronic Commerce
079900*	Other Information Technology	119999	Computer and Information Sciences and Support Services, Other
080100	Education, General	130101	Education, General
080200*	Educational Aide (Teacher Assistant)	131501	Teacher Assistant/Aide
080210*	Educational Aide (Teacher Assistant), Bilingual	131501	Teacher Assistant/Aide
080900*	Special Education	131001	Special Education and Teaching, General
083500	Physical Education	310501	Health and Physical Education, General
083510	Physical Fitness and Body Movement	310501	Health and Physical Education, General
083520*	Fitness Trainer	310504	Sport and Fitness Administration/Management
083550	Intercollegiate Athletics	310501	Health and Physical Education, General
083560*	Coaching	310504	Sport and Fitness Administration/Management
083570*	Aquatics and Lifesaving	319999	Parks, Recreation, Leisure, and Fitness Studies, Other
083580	Adapted Physical Education	512309	Therapeutic Recreation/Recreational Therapy

6th Edition TOP Code and Title		2000 CIP Code and Title	
083600	Recreation	310101	Parks, Recreation and Leisure Studies
083610*	Recreation Assistant	310101	Parks, Recreation and Leisure Studies
083700	Health Education	131307	Health Teacher Education
083900	Industrial Arts (Transfer)	131309	Technology Teacher Education/Industrial Arts Teacher Education
085000	Sign Language	161601	American Sign Language
085010*	Sign Language Interpreting	161603	Sign Language Interpretation and Translation
086000*	Educational Technology	130501	Educational/Instructional Media Design
089900*	Other Education	139999	Education, Other
090100	Engineering, General	140101	Engineering, General
092400*	Engineering Technology, General	150000	Engineering Technology, General
093400*	Electronics and Electric Technology	470101	Electrical/Electronics Equipment Installation and Repair, General
093410*	Computer Electronics	470104	Computer Installation and Repair Technology/Technician
093420*	Industrial Electronics	470105	Industrial Electronics Technology/Technician
093430*	Telecommunications Technology	470103	Communications Systems Installation and Repair Technology
093440*	Electrical Systems and Power Transmission	460301	Electrical and Power Transmission Installation/Installer, General
093460*	Biomedical Instrumentation	150401	Biomedical Technology/Technician
093470*	Electron Microscopy	419999	Science Technologies/Technicians, Other
093480*	Laser and Optical Technology	150304	Laser and Optical Technology/Technician
093500*	Electro-Mechanical Technology	150403	Electromechanical Technology/Electromechanical Engineering Technology
093510*	Appliance Repair	470106	Appliance Installation and Repair Technology/Technician
093600*	Printing and Lithography	100301	Graphic Communications, General
094300*	Instrumentation Technology	150404	Instrumentation Technology/Technician
094330*	Vacuum Technology	159999	Engineering Technologies/Technicians, Other
094500*	Industrial Systems Technology and Maintenance	150805	Mechanical Engineering/Mechanical Technology/Technician
094600*	Environmental Control Technology	150501	Heating, Air Conditioning and Refrigeration Technology/Technician (ACH/ACR/ACHR/HRAC/HVAC/AC Technology)
094610*	Energy Systems Technology	150503	Energy Management and Systems Technology/Technician
094700*	Diesel Technology	470605	Diesel Mechanics Technology/Technician

6th Edition TOP Code and Title		2000 CIP Code and Title	
094720*	Heavy Equipment Maintenance	470302	Heavy Equipment Maintenance Technology/Technician
094730*	Heavy Equipment Operation	490202	Construction/Heavy Equipment/Earthmoving Equipment Operation
094740*	Railroad and Light Rail Operations	490299	Ground Transportation, Other
094750*	Truck and Bus Driving	490205	Truck and Bus Driver/Commercial Vehicle Operation
094800*	Automotive Technology	470604	Automobile/Automotive Mechanics Technology/Technician
094830*	Motorcycle, Outboard and Small Engine Repair	470606	Small Engine Mechanics and Repair Technology/Technician
094840*	Alternative Fuels and Advanced Transportation Technology	470614	Alternative Fuel Vehicle Technology/Technician
094850*	Recreational Vehicle Service	470699	Vehicle Maintenance and Repair Technologies, Other
094900*	Automotive Collision Repair	470603	Autobody/Collision Repair Technology/Technician
094910*	Upholstery Repair - Automotive	480303	Upholstery/Upholsterer
095000*	Aeronautical and Aviation Technology	470607	Airframe Mechanics and Aircraft Maintenance Technology/Technician
095010*	Aviation Airframe Mechanics	470607	Airframe Mechanics and Aircraft Maintenance Technology/Technician
095020*	Aviation Powerplant Mechanics	470608	Aircraft Powerplant Technology/Technician
095040*	Aircraft Electronics (Avionics)	470609	Avionics Maintenance Technology/Technician
095050*	Aircraft Fabrication	150699	Industrial Production Technologies/Technicians, Other
095200*	Construction Crafts Technology	460000	Construction Trades, General
095210*	Carpentry	460201	Carpentry/Carpenter
095220*	Electrical	460302	Electrician
095230*	Plumbing, Pipefitting and Steamfitting	460503	Plumbing Technology/Plumber
095240*	Glazing	460406	Glazier
095250*	Mill and Cabinet Work	480703	Cabinetmaking and Millwork/Millwright
095260*	Masonry, Tile, Cement, Lath and Plaster	460101	Mason/Masonry
095270*	Painting, Decorating, and Flooring	460408	Painting/Painter and Wall Coverer
095280*	Drywall and Insulation	460404	Drywall Installation/Drywaller
095290*	Roofing	460410	Roofer

6th Edition TOP Code and Title		2000 CIP Code and Title	
095300*	Drafting Technology	151301	Drafting and Design Technology/Technician, General
095310*	Architectural Drafting	151303	Architectural Drafting and Architectural CAD/CADD
095320*	Civil Drafting	151304	Civil Drafting and Civil Engineering CAD/CADD
095330*	Electrical, Electronic, and Electro-Mechanical Drafting	151305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD
095340*	Mechanical Drafting	151306	Mechanical Drafting and Mechanical Drafting CAD/CADD
095360*	Technical Illustration	500410	Illustration
095400*	Chemical Technology	410301	Chemical Technology/Technician
095420*	Plastics and Composites	150607	Plastics Engineering Technology/Technician
095430*	Petroleum Technology	150903	Petroleum Technology/Technician
095500*	Laboratory Science Technology	410301	Chemical Technology/Technician
095600*	Manufacturing and Industrial Technology	150613	Manufacturing Technology/Technician
095630*	Machining and Machine Tools	480501	Machine Tool Technology/Machinist
095640*	Sheet Metal and Structural Metal	480506	Sheet Metal Technology/Sheetworking
095650*	Welding Technology	480508	Welding Technology/Welder
095670*	Industrial and Occupational Safety and Health	150703	Industrial Safety Technology/Technician
095680*	Industrial Quality Control	150702	Quality Control Technology/Technician
095700*	Civil and Construction Management Technology	460412	Building/Construction Site Management/Manager
095720*	Construction Inspection	460403	Building/Home/Construction Inspection/Inspector
095730*	Surveying	151102	Survey Technology/Surveying
095800*	Water and Wastewater Technology	150506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician
095900*	Marine Technology	490399	Marine Transportation, Other
095910*	Diving and Underwater Safety	490304	Diver, Professional and Instructor
096100*	Optics	150304	Laser and Optical Technology/Technician
096200*	Musical Instrument Repair	470404	Musical Instrument Fabrication and Repair
099900*	Other Engineering and Related Industrial Technologies	159999	Engineering Technologies/Technicians, Other
100100	Fine Arts, General	500101	Visual and Performing Arts, General
100200	Art	500701	Art/Art Studies, General

6th Edition TOP Code and Title		2000 CIP Code and Title	
100210	Painting and Drawing	500705	Drawing
100220	Sculpture	500709	Sculpture
100230	Ceramics	500711	Ceramics Arts and Ceramics
100400	Music	500901	Music, General
100500*	Commercial Music	500909	Music Management and Merchandising
100600*	Technical Theater	500502	Technical Theatre/Theatre Design and Technology
100700	Dramatic Arts	500501	Drama and Dramatics/Theater Arts, General
100800	Dance	500301	Dance, General
100810*	Commercial Dance	500399	Dance, Other
100900*	Applied Design	500401	Design and Visual Communications, General
100910	Jewelry	500713	Metal and Jewelry Arts
101100	Photography	500605	Photography
101200*	Applied Photography	500406	Commercial Photography
101300*	Commercial Art	500402	Commercial and Advertising Art
103000*	Graphic Art and Design	500409	Graphic Design
109900*	Other Fine and Applied Arts	509999	Other Visual and Performing Arts
110100	Foreign Languages, General	160101	Foreign Languages and Literatures, General
110200	French	160901	French Language and Literature
110300	German	160501	German Language and Literature
110400	Italian	160902	Italian Language and Literature
110500	Spanish	160905	Spanish Language and Literature
110600	Russian	160402	Russian Language and Literature
110700	Chinese	160301	Chinese Language and Literature
110800	Japanese	160302	Japanese Language and Literature
110900	Latin	161203	Latin Language and Literature
111000	Greek	160601	Modern Greek Language and Literature
111100	Hebrew and Semitic	161102	Hebrew Language and Literature
111200	Arabic	161101	Arabic Language and Literature
111600	African Languages (Non-Semitic)	160201	African Languages, Literatures and Linguistics
111700	Asian, South Asian, and Pacific Islands (Chinese and Japanese excluded)	160399	East Asian Languages, Literatures and Linguistics, Other
111710	Filipino (Tagalog)	161404	Filipino/Tagalog Language and Literature
111720	Vietnamese	161408	Vietnamese Language and Literature
111730	Korean	160303	Korean Language and Literature
111900	Portuguese	160904	Portuguese Language and Literature
119900	Other Foreign Languages	169999	Foreign Languages, Literatures, and Linguistics, Other
120100*	Health Occupations, General	510000	Health Services/Allied Health/Health Sciences, General

6th Edition TOP Code and Title		2000 CIP Code and Title	
120200*	Hospital and Health Care Administration	510702	Hospital and Health Care Facilities Administration/Management
120500*	Medical Laboratory Technology	511004	Clinical/Medical Laboratory Technician
120510*	Phlebotomy	511009	Phlebotomy/Phlebotomist
120600*	Physicians Assistant	510912	Physician Assistant
120800*	Medical Assisting	510801	Medical/Clinical Assistant
120810*	Clinical Medical Assisting	510801	Medical/Clinical Assistant
120820*	Administrative Medical Assisting	510801	Medical/Clinical Assistant
120830*	Health Facility Unit Coordinator	510703	Health Unit Coordinator/Ward Clerk
120900*	Hospital Central Service Technician	510799	Health and Medical Administrative Services, Other
121000*	Respiratory Care/Therapy	510908	Respiratory Care Therapy/Therapist
121100*	Polysomnography	510999	Allied Health Diagnostic, Intervention, and Treatment Professions, Other
121200*	Electro-Neurodiagnostic Technology	510903	Electroneurodiagnostic/Electroenceph-alographic Technology/Technologist
121300*	Cardiovascular Technician	510901	Cardiovascular Technology/Technologist
121400*	Orthopedic Assistant	512307	Orthotist/Prosthetist
121500*	Electrocardiography	510902	Electrocardiograph Technology/Technician
121700*	Surgical Technician	510909	Surgical Technology/Technologist
121800*	Occupational Therapy Technology	510803	Occupational Therapist Assistant
121900*	Optical Technology	511802	Optometric Technician/Assistant
122000*	Speech/Language Pathology and Audiology	510204	Audiology/Audiologist and Speech-Language Pathology/Pathologist
122100*	Pharmacy Technology	510805	Pharmacy Technician/Assistant
122200*	Physical Therapist Assistant	510806	Physical Therapist Assistant
122300*	Health Information Technology	510707	Health Information/Medical Records Technology/Technician
122310*	Health Information Coding	510713	Health Information Coding Specialist/Coder
122400*	School Health Clerk	512299	Public Health, Other
122500*	Radiologic Technology	510911	Radiologic Technology/Science-Radiographer
122600*	Radiation Therapy Technician	510907	Medical Radiologic Technology/Science - Radiation Therapist
122700*	Diagnostic Medical Sonography	510910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician
122800*	Athletic Training and Sports Medicine	510913	Athletic Training/Trainer
123000*	Nursing	511699	Nursing, Other

6th Edition TOP Code and Title		2000 CIP Code and Title	
123010*	Registered Nursing	511601	Nursing-Registered Nurse Training (RN, ASN, BSN, MSN)
123020*	Licensed Vocational Nursing	511613	Licensed Practical/Vocational Nurse Training (LPN, LVN, Cert, Dipl, AAS)
123030*	Certified Nurse Assistant	511614	Nurse/Nursing Assistant/Aide and Patient Care Assistant
123080*	Home Health Aide	512602	Home Health Aide/Home Attendant
123900*	Psychiatric Technician	511502	Psychiatric/Mental Health Services Technician
124000*	Dental Occupations	510699	Dental Services and Allied Professions, Other
124010*	Dental Assistant	510601	Dental Assisting/Assistant
124020*	Dental Hygienist	510602	Dental Hygiene/Hygienist
124030*	Dental Laboratory Technician	510603	Dental Laboratory Technology/Technician
125000*	Emergency Medical Services	510904	Emergency Medical Technology/Technician (EMT Paramedic)
125100*	Paramedic	510904	Emergency Medical Technology/Technician (EMT Paramedic)
125500*	Mortuary Science	120301	Funeral Service and Mortuary Science, General
126000*	Health Professions, Transfer Core Curriculum	511199	Health/Medical Preparatory Programs, Other
126100*	Community Health Care Worker	512208	Community Health and Preventive Medicine
126200*	Massage Therapy	513501	Massage Therapy/Therapeutic Massage
129900*	Other Health Occupations	519999	Health Professions and Related Clinical Sciences, Other
130100	Family and Consumer Sciences, General	190101	Family and Consumer Sciences/Human Services, General
130110*	Consumer Services	190201	Business Family and Consumer Sciences/Human Services
130200*	Interior Design and Merchandising	500408	Interior Design
130300*	Fashion	190901	Apparel and Textiles, General
130310*	Fashion Design	500407	Fashion/Apparel Design
130320*	Fashion Merchandising	190905	Apparel and Textile Marketing Management
130330*	Fashion Production	190902	Apparel and Textile Manufacture
130500*	Child Development/Early Care and Education	190706	Child Development
130520*	Children with Special Needs	131015	Education/Teaching of Individuals in Early Childhood Special Education Programs
130540*	Preschool Age Child	190706	Child Development
130550*	The School Age Child	190706	Child Development
130560*	Parenting and Family Education	190704	Family Systems

6th Edition TOP Code and Title		2000 CIP Code and Title	
130570*	Foster and Kinship Care	190704	Family Systems
130580*	Child Development Administration and Management	190706	Child Development
130590*	Infants and Toddlers	190706	Child Development
130600*	Nutrition, Foods, and Culinary Arts	190501	Foods, Nutrition, and Wellness Studies, General
130620*	Dietetic Services and Management	190505	Foodservice Systems Administration/Management
130630*	Culinary Arts	120500	Cooking and Related Culinary Arts, General
130660*	Dietetic Technology	513103	Dietetic Technician
130700*	Hospitality	520901	Hospitality Administration/Management, General
130710*	Restaurant and Food Services and Management	120504	Restaurant, Culinary and Catering Management/Manager
130720*	Lodging Management	520904	Hotel/Motel Administration/Management
130730*	Resort and Club Management	520906	Resort Management
130800*	Family Studies	190701	Human Development and Family Studies, General
130900*	Gerontology	190702	Adult Development and Aging
139900*	Other Family and Consumer Sciences	199999	Family and Consumer Sciences/Human Sciences, Other
140100	Law, General	220000	Legal Studies, General
140200*	Paralegal	220302	Legal Assistant/Paralegal
149900	Other Law	229999	Legal Professions and Studies, Other
150100	English	230101	English Language and Literature, General
150110	Linguistics	160102	Linguistics
150200	Language Arts	239999	English Language and Literature/Letters, Other
150300	Comparative Literature	160104	Comparative Literature
150400	Classics	161200	Classics and Classical Languages, Literatures and Linguistics, General
150600	Speech Communication	231001	Speech and Rhetorical Studies
150700	Creative Writing	230501	Creative Writing
150900	Philosophy	380101	Philosophy
151000	Religious Studies	380201	Religion/Religious Studies
159900	Other Humanities	240199	Liberal Arts and Sciences, General Studies and Humanities, Other
160100	Library Science, General	250101	Library Science/Librarianship
160200*	Library Technician (Aide)	250301	Library Assistant/Technician
169900	Other Library Science	259999	Library Science, Other
170100	Mathematics, General	270101	Mathematics, General
179900	Other Mathematics	279999	Mathematics and Statistics, Other
180100	Military Science	290101	Military Technologies
189900	Other Military Studies	290101	Military Technologies

6th Edition TOP Code and Title		2000 CIP Code and Title	
190100	Physical Sciences, General	400101	Physical Sciences
190200	Physics, General	400801	Physics, General
190500	Chemistry, General	400501	Chemistry, General
191100	Astronomy	400201	Astronomy
191400	Geology	400601	Geology/Earth Science, General
191900	Oceanography	400607	Oceanography, Chemical and Physical
192000*	Ocean Technology	419999	Science Technologies/Technicians, Other
193000	Earth Science	400601	Geology/Earth Science, General
199900	Other Physical Sciences	409999	Physical Sciences, Other
200100	Psychology, General	420101	Psychology, General
200300	Behavioral Science	429999	Psychology, Other
209900	Other Psychology	429999	Psychology, Other
210200*	Public Administration	440401	Public Administration
210210*	Public Works	469999	Construction Trades, Other
210400*	Human Services	440000	Human Services, General
210440*	Alcohol and Controlled Substances	511501	Substance Abuse/Addiction Counseling
210450*	Disability Services	449999	Public Administration and Social Service Professions, Other
210500*	Administration of Justice	430107	Criminal Justice/Police Science
210510*	Corrections	430102	Corrections
210520*	Probation and Parole	430199	Corrections and Criminal Justice, Other
210530*	Industrial and Transportation Security	430109	Security and Loss Prevention Services
210540*	Forensics, Evidence, and Investigation	430106	Forensic Science and Technology
210550*	Police Academy	430107	Criminal Justice/Police Science
213300*	Fire Technology	430203	Fire Science/Firefighting
213310*	Wildland Fire Technology	430203	Fire Science/Firefighting
213350*	Fire Academy	430203	Fire Science/Firefighting
214000*	Legal and Community Interpretation	160103	Language Interpretation and Translation
219900*	Other Public and Protective Services	449999	Public Administration and Social Service Professions, Other
220100	Social Sciences, General	450101	Social Sciences, General
220110	Women's Studies	050207	Women's Studies
220120	American Studies	050102	American/United States Studies/Civilization
220200	Anthropology	450201	Anthropology
220220	Archaeology	450301	Archeology
220300	Ethnic Studies	050299	Ethnic, Cultural Minority, and Gender Studies, Other
220400	Economics	450601	Economics, General
220500	History	450801	History, General
220600	Geography	450701	Geography
220610*	Geographic Information Systems	450799	Geography, Other

6th Edition TOP Code and Title		2000 CIP Code and Title	
220700	Political Science	451001	Political Science and Government, General
220710	Student Government	451001	Political Science and Government, General
220800	Sociology	451101	Sociology
221000	International Studies	450901	International Relations and Affairs
221010	Area Studies	050199	Area Studies, Other
229900	Other Social Sciences	459999	Social Sciences, Other
300700*	Cosmetology and Barbering	120401	Cosmetology/Cosmetologist, General
300800*	Dry Cleaning	190999	Apparel and Textiles, Other
300900*	Travel Services and Tourism	521905	Tourism and Travel Services Marketing Operations
302000*	Aviation and Airport Management and Services	490104	Aviation/Airway Management and Operations
302010*	Aviation and Airport Management	490104	Aviation/Airway Management and Operations
302020*	Piloting	490102	Airline/Commercial/Professional Pilot and Flight Crew
302030*	Air Traffic Control	490105	Air Traffic Control
302040*	Flight Attendant	490106	Airline Flight Attendant
309900*	Other Commercial Services	129999	Personal and Culinary Services, Other
490100	Liberal Arts and Sciences, General	240101	Liberal Arts and Sciences/Liberal Studies
490110	Transfer Studies	240101	Liberal Arts and Sciences/Liberal Studies
490120	Liberal Studies	240101	Liberal Arts and Sciences/Liberal Studies
490200	Biological and Physical Sciences (and Mathematics)	300101	Biological and Physical Sciences
490300	Humanities	240103	Humanities/Humanistic Studies
490310	Humanities and Fine Arts	240103	Humanities/Humanistic Studies
490330	Humanities and Social Sciences	240103	Humanities/Humanistic Studies
493000	General Studies	240102	General Studies
493009	Supervised Tutoring	320108	Literacy and Communication Skills
493010	Guidance	320105	Job-Seeking/Changing Skills
493011	Interpersonal Skills	350101	Interpersonal and Social Skills, General
493012	Job Seeking/Changing Skills	320105	Job-Seeking/Changing Skills
493013	Academic Guidance	320105	Job-Seeking/Changing Skills
493014	Study Skills	320199	Basic Skills, Other
493020	Communication Skills	320108	Literacy and Communication Skills
493021	Writing	320108	Literacy and Communication Skills
493022	Speech	320108	Literacy and Communication Skills
493030	Learning Skills, Handicapped	320199	Basic Skills, Other
493031	Living Skills, Handicapped	320199	Basic Skills, Other

6th Edition TOP Code and Title		2000 CIP Code and Title	
493032	Learning Skills, Learning Disabled	320199	Basic Skills, Other
493033	Learning Skills, Speech Impaired	320199	Basic Skills, Other
493040	Computational Skills	320104	Numeracy and Computational Skills
493041	Pre-Algebra (Basic Math/Arithmetic)	320104	Numeracy and Computational Skills
493060	Adult Basic Education (Grades 1-8)	320101	Basic Skills, General
493062	High School Diploma Program/GED	530201	High School Equivalence Certificate Program
493070	Reading Skills, Precollegiate	320108	Literacy and Communication Skills
493071	Reading Skills, College Level (including Speed Reading)	320108	Literacy and Communication Skills
493072	Skill Development	320108	Literacy and Communication Skills
493084	English as a Second Language–Writing	320108	Literacy and Communication Skills
493085	English as a Second Language–Reading	320108	Literacy and Communication Skills
493086	English as a Second Language–Speaking/Listening	320108	Literacy and Communication Skills
493087	English as a Second Language–Intergrated	320108	Literacy and Communication Skills
493090	Citizenship	330102	American Citizenship Education
493100*	Vocational ESL	320109	Second Language Learning
493200*	General Work Experience	320105	Job-Seeking/Changing Skills
499900	Other Interdisciplinary Studies	309999	Multi/Interdisciplinary Studies, Other

APPENDIX B2

CROSSWALK TABLE: 6TH EDITION TAXONOMY OF PROGRAMS TO 2010 CLASSIFICATION OF INSTRUCTIONAL PROGRAMS

6th Edition TOP		2010 CIP	
TOP Code	TOP Title	CIP Code	CIP Title
0101.00 *	Agriculture Technology and Sciences, General	01.0000	Agriculture, General.
0102.00 *	Animal Science	01.0302	Animal/Livestock Husbandry and Production.
0102.10 *	Veterinary Technician (Licensed)	51.0808	Veterinary/Animal Health Technology/Technician and Veterinary Assistant.
0102.20 *	Artificial Inseminator (Licensed)	01.0399	Agricultural Production Operations, Other.
0102.30 *	Dairy Science	01.0306	Dairy Husbandry and Production.
0102.40 *	Equine Science	01.0307	Horse Husbandry/Equine Science and Management.
0103.00 *	Plant Science	01.0304	Crop Production.
0103.10 *	Agricultural Pest Control Adviser and Operator (Licensed)	01.0399	Agricultural Production Operations, Other.
0104.00 *	Viticulture, Enology, and Wine Business	01.0309	Viticulture and Enology.
0109.00 *	Horticulture	01.0601	Applied Horticulture/Horticulture Operations, General.
0109.10 *	Landscape Design and Maintenance	01.0605	Landscaping and Groundskeeping.
0109.20 *	Floriculture /Floristry	01.0608	Floriculture/Floristry Operations and Management.
0109.30 *	Nursery Technology	01.0606	Plant Nursery Operations and Management.
0109.40 *	Turfgrass Technology	01.0607	Turf and Turfgrass Management.
0112.00 *	Agriculture Business, Sales and Service	01.0102	Agribusiness/Agricultural Business Operations.
0113.00 *	Food Processing and Related Technologies	01.1002	Food Technology and Processing.
0114.00 *	Forestry	03.0501	Forestry, General.

*Indicates a vocational program.

yellow = NEW 2010 CIP code

green = see Footnotes

0115.00 *	Natural Resources	03.0101	Natural Resources/Conservation, General.
0115.10 *	Parks and Outdoor Recreation	31.0301	Parks, Recreation and Leisure Facilities Management, General.
0115.20 *	Wildlife and Fisheries	03.0601	Wildlife, Fish and Wildlands Science and Management.
0116.00 *	Agricultural Power Equipment Technology	01.0205	Agricultural Mechanics and Equipment/Machine Technology.
0199.00 *	Other Agriculture and Natural Resources	01.9999	Agriculture, Agriculture Operations, and Related Sciences, Other.
0201.00 *	Architecture and Architectural Technology	04.0901	Architectural Technology/Technician.
0201.10	Landscape Architecture (transfer)	04.0601	Landscape Architecture.
0299.00 *	Other Architecture and Environmental Design	04.9999	Architecture and Related Services, Other.
0301.00	Environmental Science	03.0104	Environmental Science.
0302.00	Environmental Studies	03.0103	Environmental Studies.
0303.00 *	Environmental Technology	15.0508	Hazardous Materials Management and Waste Technology/Technician
0399.00	Environmental Sciences and Technologies, Other	03.9999	Natural Resources and Conservation, Other.
0401.00	Biology, General	26.0101	Biology/Biological Sciences, General.
0402.00	Botany, General	26.0301	Botany/Plant Biology.
0403.00	Microbiology	26.0502	Microbiology, General.
0407.00	Zoology, General	26.0701	Zoology/Animal Biology.
0408.00	Natural History	30.9999	Multi-/Interdisciplinary Studies, Other.
0410.00	Anatomy and Physiology	26.0901	Physiology, General.
0430.00 *	Biotechnology and Biomedical Technology	15.0401	Biomedical Technology/Technician.
0499.00	Other Biological Sciences	26.9999	Biological and Biomedical Sciences, Other.
0501.00 *	Business and Commerce, General	52.0101	Business/Commerce, General.
0502.00 *	Accounting	52.0302	Accounting Technology/Technician and Bookkeeping.
0502.10 *	Tax Studies	52.1601	Taxation.

0504.00 *	Banking and Finance	52.0803	Banking and Financial Support Services.
0505.00 *	Business Administration	52.0201	Business Administration and Management, General.
0506.00 *	Business Management	52.0201	Business Administration and Management, General.
0506.30 *	Management Development and Supervision	52.0204	Office Management and Supervision.
0506.40 *	Small Business and Entrepreneurship	52.0703	Small Business Administration/Management.
0506.50 *	Retail Store Operations and Management	52.0212	Retail Management.
0508.00 *	International Business and Trade	52.1101	International Business/Trade/Commerce.
0509.00 *	Marketing and Distribution	52.1801	Sales, Distribution, and Marketing Operations, General.
0509.10 *	Advertising	09.0903	Advertising.
0509.20 *	Purchasing	52.0202	Purchasing, Procurement/Acquisitions and Contracts Management
0509.40 *	Sales and Salesmanship	52.1804	Selling Skills and Sales Operations.
0509.60 *	Display	52.1899	General Merchandising, Sales, and Related Marketing Operations, Other.
0509.70 *	E-Commerce (business emphasis)	52.0208	E-Commerce/Electronic Commerce.
0510.00 *	Logistics and Materials Transportation	52.0203	Logistics, Materials, and Supply Chain Management.
0511.00 *	Real Estate	52.1501	Real Estate.
0511.10 *	Escrow	52.1501	Real Estate.
0512.00 *	Insurance	52.1701	Insurance.
0514.00 *	Office Technology/Office Computer Applications	52.0401	Administrative Assistant and Secretarial Science, General.
0514.10 *	Legal Office Technology	22.0301	Legal Administrative Assistant/Secretary.
0514.20 *	Medical Office Technology	51.0716	Medical Administrative/Executive Assistant and Medical Secretary.
0514.30 *	Court Reporting	22.0303	Court Reporting/Court Reporter.
0514.40 *	Office Management	52.0204	Office Management and Supervision.

0516.00 *	Labor and Industrial Relations	52.1002	Labor and Industrial Relations.
0518.00 *	Customer Service	52.0411	Customer Service Support/Call Center/Teleservice Operation.
0599.00 *	Other Business and Management	52.9999	Business, Management, Marketing, and Related Support Services, Other.
0601.00	Media and Communications, General	09.0102	Mass Communication/Media Studies.
0602.00 *	Journalism	09.0401	Journalism.
0604.00 *	Radio and Television	09.0701	Radio and Television.
0604.10 *	Radio	09.0701	Radio and Television.
0604.20 *	Television (including combined TV/film/video)	09.0701	Radio and Television.
0604.30 *	Broadcast Journalism	09.0402	Broadcast Journalism.
0606.00 *	Public Relations	09.0900	Public Relations, Advertising, and Applied Communication.
0607.00 *	Technical Communication	23.1303	Professional, Technical, Business, and Scientific Writing.
0610.00 *	Mass Communications	09.0102	Mass Communication/Media Studies.
0612.00	Film Studies	50.0601	Film/Cinema/Video Studies.
0612.10	Film History and Criticism	50.0601	Film/Cinema/Video Studies.
0612.20 *	Film Production	50.0602	Cinematography and Film/Video Production.
0614.00 *	Digital Media	10.0303	Prepress/Desktop Publishing and Digital Imaging Design.
0614.10 *	Multimedia	10.0304	Animation, Interactive Technology, Video Graphics and Special Effects.
0614.20 *	Electronic Game Design	10.0304	Animation, Interactive Technology, Video Graphics and Special Effects.
0614.30 *	Website Design and Development	11.0801	Web Page, Digital/Multimedia and Information Resources Design
0614.40 *	Animation	10.0304	Animation, Interactive Technology, Video Graphics and Special Effects.
0614.50 *	Desktop Publishing	10.0303	Prepress/Desktop Publishing and Digital Imaging Design.
0614.60 *	Computer Graphics and Digital Imagery	11.0803	Computer Graphics.

0699.00 *	Other Media and Communications	09.9999	Communication, Journalism, and Related Programs, Other.
0701.00 *	Information Technology, General	11.0101	Computer and Information Sciences, General.
0702.00 *	Computer Information Systems	11.0103	Information Technology.
0702.10 *	Software Applications	11.0601	Data Entry/Microcomputer Applications, General.
0706.00	Computer Science (transfer)	11.0701	Computer Science.
0707.00 *	Computer Software Development	11.0201	Computer Science.
0707.10 *	Computer Programming	11.0201	Computer Programming/Programmer, General.
0707.20 *	Database Design and Administration	11.0802	Data Modeling/Warehousing and Database Administration.
0707.30 *	Computer Systems Analysis	11.0501	Computer Systems Analysis/Analyst.
0708.00 *	Computer Infrastructure and Support	11.1003	Computer and Information Systems Security/Information Assurance.
0708.10 *	Computer Networking	11.0901	Computer Systems Networking and Telecommunications.
0708.20 *	Computer Support	11.1006	Computer Support Specialist.
0709.00 *	World Wide Web Administration	11.1004	Web/Multimedia Management and Webmaster.
0709.10 *	E-Commerce (technology emphasis)	52.0208	E-Commerce/Electronic Commerce.
0799.00 *	Other Information Technology	11.9999	Computer and Information Sciences and Support Services, Other.
0801.00	Education, General	13.0101	Education, General.
0802.00 *	Educational Aide (Teacher Assistant)	13.1501	Teacher Assistant/Aide.
0802.10 *	Educational Aide (Teacher Assistant), Bilingual	13.1501	Teacher Assistant/Aide.
0809.00 *	Special Education	13.1001	Special Education and Teaching, General.
0835.00	Physical Education	31.0501	Health and Physical Education/Fitness, General.
0835.10	Physical Fitness and Body Movement	31.0501	Health and Physical Education/Fitness, General.

0835.20 *	Fitness Trainer	31.0507	Physical Fitness Technician.
0835.50	Intercollegiate Athletics	31.0501	Health and Physical Education/Fitness, General.
0835.60 *	Coaching	31.0504	Sport and Fitness Administration/Management.
0835.70 *	Aquatics and Lifesaving	31.9999	Parks, Recreation, Leisure, and Fitness Studies, Other.
0835.80	Adapted Physical Education	51.2309	Therapeutic Recreation/Recreational Therapy.
0836.00	Recreation	31.0101	Parks, Recreation and Leisure Studies.
0836.10 *	Recreation Assistant	31.0101	Parks, Recreation and Leisure Studies.
0837.00	Health Education	31.0501	Health and Physical Education/Fitness, General.
0839.00	Industrial Arts (Transfer)	13.1309	Technology Teacher Education/Industrial Arts Teacher Education.
0850.00	Sign Language	16.1601	American Sign Language (ASL).
0850.10 *	Sign Language Interpreting	16.1603	Sign Language Interpretation and Translation.
0860.00 *	Educational Technology	13.0501	Educational/Instructional Technology.
0899.00 *	Other Education	13.9999	Education, Other.
0901.00	Engineering, General	14.0102	Pre-Engineering.
0924.00 *	Engineering Technology, General	15.0000	Engineering Technology, General.
0934.00 *	Electronics and Electric Technology	47.0101	Electrical/Electronics Equipment Installation and Repair, General.
0934.10 *	Computer Electronics	47.0104	Computer Installation and Repair Technology/Technician.
0934.20 *	Industrial Electronics	47.0105	Industrial Electronics Technology/Technician.
0934.30 *	Telecommunications Technology	14.1004	Telecommunications Engineering.
0934.40 *	Electrical Systems and Power Transmission	46.0301	Electrical and Power Transmission Installation/Installer, General
0934.60 *	Biomedical Instrumentation	15.0401	Biomedical Technology/Technician.
0934.70 *	Electron Microscopy	41.9999	Science Technologies/Technicians, Other.

0934.80 *	Laser and Optical Technology	15.0304	Laser and Optical Technology/Technician.
0935.00 *	Electro-Mechanical Technology	15.0499	Electromechanical and Instrumentation and Maintenance Technologies/Technicians, Other.
0935.10 *	Appliance Repair	47.0106	Appliance Installation and Repair Technology/Technician.
0936.00 *	Printing and Lithography	10.0305	Graphic and Printing Equipment Operator, General Production.
0943.00 *	Instrumentation Technology	15.0404	Instrumentation Technology/Technician.
0943.30 *	Vacuum Technology	15.9999	Engineering Technologies and Engineering-Related Fields, Other.
0945.00 *	Industrial Systems Technology and Maintenance	15.0805	Mechanical Engineering/Mechanical Technology/Technician.
0946.00 *	Environmental Control Technology	15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Eng
0946.10 *	Energy Systems Technology	15.0503	Energy Management and Systems Technology/Technician.
0947.00 *	Diesel Technology	47.0605	Diesel Mechanics Technology/Technician.
0947.20 *	Heavy Equipment Maintenance	47.0302	Heavy Equipment Maintenance Technology/Technician.
0947.30 *	Heavy Equipment Operation	49.0202	Construction/Heavy Equipment/Earthmoving Equipment Operation.
0947.40 *	Railroad and Light Rail Operations	49.0299	Ground Transportation, Other.
0947.50 *	Truck and Bus Driving	49.0205	Truck and Bus Driver/Commercial Vehicle Operator and Instructor.
0948.00 *	Automotive Technology	47.0604	Automobile/Automotive Mechanics Technology/Technician.
0948.30 *	Motorcycle, Outboard and Small Engine Repair	47.0606	Small Engine Mechanics and Repair Technology/Technician.
0948.40 *	Alternative Fuels and Advanced Transportation Technology	47.0614	Alternative Fuel Vehicle Technology/Technician.

0948.50	*	Recreational Vehicle Service	47.0618	Recreation Vehicle (RV) Service Technician.
0949.00	*	Automotive Collision Repair	47.0603	Autobody/Collision and Repair Technology/Technician.
0949.10	*	Upholstery Repair - Automotive	48.0303	Upholstery/Upholsterer.
0950.00	*	Aeronautical and Aviation Technology	47.0607	Airframe Mechanics and Aircraft Maintenance Technology/Technician.
0950.10	*	Aviation Airframe Mechanics	47.0607	Airframe Mechanics and Aircraft Maintenance Technology/Technician.
0950.20	*	Aviation Powerplant Mechanics	47.0608	Aircraft Powerplant Technology/Technician.
0950.40	*	Aircraft Electronics (Avionics)	47.0609	Avionics Maintenance Technology/Technician.
0950.50	*	Aircraft Fabrication	15.0699	Industrial Production Technologies/Technicians, Other.
0952.00	*	Construction Crafts Technology	46.0415	Building Construction Technology.
0952.10	*	Carpentry	46.0201	Carpentry/Carpenter.
0952.20	*	Electrical	46.0302	Electrician.
0952.30	*	Plumbing, Pipefitting and Steamfitting	46.0503	Plumbing Technology/Plumber.
0952.40	*	Glazing	46.0406	Glazier.
0952.50	*	Mill and Cabinet Work	48.0703	Cabinetmaking and Millwork.
0952.60	*	Masonry, Tile, Cement, Lath and Plaster	46.0101	Mason/Masonry.
0952.70	*	Painting, Decorating, and Flooring	46.0408	Painting/Painter and Wall Coverer.
0952.80	*	Drywall and Insulation	46.0404	Drywall Installation/Drywaller.
0952.90	*	Roofing	46.0410	Roofer.
0953.00	*	Drafting Technology	15.1301	Drafting and Design Technology/Technician, General.
0953.10	*	Architectural Drafting	15.1303	Architectural Drafting and Architectural CAD/CADD.
0953.20	*	Civil Drafting	15.1304	Civil Drafting and Civil Engineering CAD/CADD.
0953.30	*	Electrical, Electronic, and Electro-Mechanical Drafting	15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD.

0953.40 *	Mechanical Drafting	15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD.
0953.60 *	Technical Illustration	50.0410	Illustration.
0954.00 *	Chemical Technology	41.0301	Chemical Technology/Technician.
0954.20 *	Plastics and Composites	15.0607	Plastics and Polymer Engineering Technology/Technician.
0954.30 *	Petroleum Technology	15.0903	Petroleum Technology/Technician.
0955.00 *	Laboratory Science Technology	41.0301	Chemical Technology/Technician.
0956.00 *	Manufacturing and Industrial Technology	15.0613	Manufacturing Engineering Technology/Technician.
0956.30 *	Machining and Machine Tools	48.0501	Machine Tool Technology/Machinist.
0956.40 *	Sheet Metal and Structural Metal	48.0506	Sheet Metal Technology/Sheetworking.
0956.50 *	Welding Technology	48.0508	Welding Technology/Welder.
0956.70 *	Industrial and Occupational Safety and Health	15.0703	Industrial Safety Technology/Technician.
0956.80 *	Industrial Quality Control	15.0702	Quality Control Technology/Technician.
0957.00 *	Civil and Construction Management Technology	46.0412	Building/Construction Site Management/Manager.
0957.20 *	Construction Inspection	46.0403	Building/Home/Construction Inspection/Inspector.
0957.30 *	Surveying	15.1102	Surveying Technology/Surveying.
0958.00 *	Water and Wastewater Technology	15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician.
0959.00 *	Marine Technology	49.0399	Marine Transportation, Other.
0959.10 *	Diving and Underwater Safety	49.0304	Diver, Professional and Instructor.
0961.00 *	Optics	15.0304	Laser and Optical Technology/Technician.
0962.00 *	Musical Instrument Repair	47.0404	Musical Instrument Fabrication and Repair.
0999.00 *	Other Engineering and Related Industrial Technologies	15.9999	Engineering Technologies and Engineering-Related Fields, Other.
1001.00	Fine Arts, General	50.0101	Visual and Performing Arts, General.

1002.00		Art	50.0701	Art/Art Studies, General.
1002.10		Painting and Drawing	50.0705	Drawing.
1002.20		Sculpture	50.0709	Sculpture.
1002.30		Ceramics	50.0711	Ceramic Arts and Ceramics.
1004.00		Music	50.0901	Music, General.
1005.00	*	Commercial Music	10.0203	Recording Arts Technology/Technician.
1006.00	*	Technical Theater	50.0502	Technical Theatre/Theatre Design and Technology.
1007.00		Dramatic Arts	50.0501	Drama and Dramatics/Theatre Arts, General.
1008.00		Dance	50.0301	Dance, General.
1008.10	*	Commercial Dance	50.0399	Dance, Other.
1009.00	*	Applied Design	50.0401	Design and Visual Communications, General.
1009.10		Jewelry	50.0713	Metal and Jewelry Arts.
1011.00		Photography	50.0605	Photography.
1012.00	*	Applied Photography	10.0201	Photographic and Film/Video Technology/Technician and Assistant.
1013.00	*	Commercial Art	50.0402	Commercial and Advertising Art.
1030.00	*	Graphic Art and Design	50.0409	Graphic Design.
1099.00	*	Other Fine and Applied Arts	50.9999	Visual and Performing Arts, Other.
1101.00		Foreign Languages, General	16.0101	Foreign Languages and Literatures, General.
1102.00		French	16.0901	French Language and Literature.
1103.00		German	16.0501	German Language and Literature.
1104.00		Italian	16.0902	Italian Language and Literature.
1105.00		Spanish	16.0905	Spanish Language and Literature.
1106.00		Russian	16.0402	Russian Language and Literature.
1107.00		Chinese	16.0301	Chinese Language and Literature.
1108.00		Japanese	16.0302	Japanese Language and Literature.
1109.00		Latin	16.1203	Latin Language and Literature.
1110.00		Greek	16.0601	Modern Greek Language and Literature.
1111.00		Hebrew and Semitic	16.1102	Hebrew Language and Literature.
1112.00		Arabic	16.1101	Arabic Language and Literature.
1116.00		African Languages (Non-Semitic)	16.0201	African Languages, Literatures, and Linguistics.

1117.00	Asian, South Asian, and Pacific Islands (Chinese and Japanese excluded)	16.0399	East Asian Languages, Literatures, and Linguistics, Other.
1117.10	Filipino (Tagalog)	16.1404	Filipino/Tagalog Language and Literature.
1117.20	Vietnamese	16.1408	Vietnamese Language and Literature.
1117.30	Korean	16.0303	Korean Language and Literature.
1119.00	Portuguese	16.0904	Portuguese Language and Literature.
1199.00	Other Foreign Languages	16.9999	Foreign Languages, Literatures, and Linguistics, Other.
1201.00 *	Health Occupations, General	51.0000	Health Services/Allied Health/Health Sciences, General.
1202.00 *	Hospital and Health Care Administration	51.0702	Hospital and Health Care Facilities Administration/Management.
1205.00 *	Medical Laboratory Technology	51.1004	Clinical/Medical Laboratory Technician.
1205.10 *	Phlebotomy	51.1009	Phlebotomy Technician/Phlebotomist.
1206.00 *	Physicians Assistant	51.0912	Physician Assistant.
1208.00 *	Medical Assisting	51.0801	Medical/Clinical Assistant.
1208.10 *	Clinical Medical Assisting	51.0801	Medical/Clinical Assistant.
1208.20 *	Administrative Medical Assisting	51.0801	Medical/Clinical Assistant.
1208.30 *	Health Facility Unit Coordinator	51.0703	Health Unit Coordinator/Ward Clerk.
1209.00 *	Hospital Central Service Technician	51.0799	Health and Medical Administrative Services, Other.
1210.00 *	Respiratory Care/Therapy	51.0908	Respiratory Care Therapy/Therapist.
1211.00 *	Polysomnography	51.1004	Clinical/Medical Laboratory Technician.
1212.00 *	Electro-Neurodiagnostic Technology	51.0903	Electroneurodiagnostic/Electroencephalographic Technology/Technologist.
1213.00 *	Cardiovascular Technician	51.0901	Cardiovascular Technology/Technologist.
1214.00 *	Orthopedic Assistant	51.1099	Clinical/Medical Laboratory Science and Allied Professions, Other.

1215.00 *	Electrocardiography	51.0902	Electrocardiograph Technology/Technician.
1217.00 *	Surgical Technician	51.0909	Surgical Technology/Technologist.
1218.00 *	Occupational Therapy Technology	51.0803	Occupational Therapist Assistant.
1219.00 *	Optical Technology	51.1802	Optometric Technician/Assistant.
1220.00 *	Speech/Language Pathology and Audiology	51.0204	Audiology/Audiologist and Speech-Language Pathology/Pathologist.
1221.00 *	Pharmacy Technology	51.0805	Pharmacy Technician/Assistant.
1222.00 *	Physical Therapist Assistant	51.0806	Physical Therapy Technician/Assistant.
1223.00 *	Health Information Technology	51.0707	Health Information/Medical Records Technology/Technician.
1223.10 *	Health Information Coding	51.0713	Medical Insurance Coding Specialist/Coder.
1224.00 *	School Health Clerk	51.2299	Public Health, Other.
1225.00 *	Radiologic Technology	51.0911	Radiologic Technology/Science - Radiographer.
1226.00 *	Radiation Therapy Technician	51.0907	Medical Radiologic Technology/Science - Radiation Therapist.
1227.00 *	Diagnostic Medical Sonography	51.0910	Diagnostic Medical Sonography/Sonographer and Ultrasound Tec
1228.00 *	Athletic Training and Sports Medicine	51.0913	Athletic Training/Trainer.
1230.00 *	Nursing	51.3801	Registered Nursing/Registered Nurse.
1230.10 *	Registered Nursing	51.3801	Registered Nursing/Registered Nurse.
1230.20 *	Licensed Vocational Nursing	51.3901	Licensed Practical/Vocational Nurse Training.
1230.30 *	Certified Nurse Assistant	51.3902	Nursing Assistant/Aide and Patient Care Assistant/Aide.
1230.80 *	Home Health Aide	51.2602	Home Health Aide/Home Attendant.
1239.00 *	Psychiatric Technician	51.1502	Psychiatric/Mental Health Services Technician.
1240.00 *	Dental Occupations	51.0699	Dental Services and Allied Professions, Other.

1240.10	*	Dental Assistant	51.0601	Dental Assisting/Assistant.
1240.20	*	Dental Hygienist	51.0602	Dental Hygiene/Hygienist.
1240.30	*	Dental Laboratory Technician	51.0603	Dental Laboratory Technology/Technician.
1250.00	*	Emergency Medical Services	51.0904	Emergency Medical Technology/Technician (EMT Paramedic).
1251.00	*	Paramedic	51.0904	Emergency Medical Technology/Technician (EMT Paramedic).
1255.00	*	Mortuary Science	12.0301	Funeral Service and Mortuary Science, General.
1260.00	*	Health Professions, Transfer Core Curriculum	51.1199	Health/Medical Preparatory Programs, Other.
1261.00	*	Community Health Care Worker	51.2208	Community Health and Preventive Medicine.
1262.00	*	Massage Therapy	51.3501	Massage Therapy/Therapeutic Massage.
1270.00		Kinesiology	31.0505	Kinesiology and Exercise Science.
1299.00	*	Other Health Occupations	51.9999	Health Professions and Related Clinical Sciences, Other.
1301.00	*	Family and Consumer Sciences, General	19.0101	Family and Consumer Sciences/Human Sciences, General.
1301.10	*	Consumer Services	19.0201	Business Family and Consumer Sciences/Human Sciences.
1302.00	*	Interior Design and Merchandising	50.0408	Interior Design.
1303.00	*	Fashion	19.0901	Apparel and Textiles, General.
1303.10	*	Fashion Design	50.0407	Fashion/Apparel Design.
1303.20	*	Fashion Merchandising	19.0905	Apparel and Textile Marketing Management.
1303.30	*	Fashion Production	19.0902	Apparel and Textile Manufacture.
1305.00	*	Child Development/Early Care and Education	19.0709	Child Care Provider/Assistant.
1305.20	*	Children with Special Needs	13.1015	Education/Teaching of Individuals in Early Childhood Special
1305.40	*	Preschool Age Child	19.0709	Child Care Provider/Assistant.
1305.50	*	The School Age Child	19.0709	Child Care Provider/Assistant.

1305.60 *	Parenting and Family Education	19.0707	Family and Community Services.
1305.70 *	Foster and Kinship Care	19.0707	Family and Community Services.
1305.80 *	Child Development Administration and Management	19.0708	Child Care and Support Services Management.
1305.90 *	Infants and Toddlers	19.0709	Child Care Provider/Assistant.
1306.00 *	Nutrition, Foods, and Culinary Arts	19.0501	Foods, Nutrition, and Wellness Studies, General.
1306.20 *	Dietetic Services and Management	19.0505	Foodservice Systems Administration/Management.
1306.30 *	Culinary Arts	12.0500	Cooking and Related Culinary Arts, General.
1306.60 *	Dietetic Technology	51.3103	Dietetic Technician.
1307.00 *	Hospitality	52.0901	Hospitality Administration/Management, General.
1307.10 *	Restaurant and Food Services and Management	12.0504	Restaurant, Culinary, and Catering Management/Manager.
1307.20 *	Lodging Management	52.0904	Hotel/Motel Administration/Management.
1307.30 *	Resort and Club Management	52.0906	Resort Management.
1308.00 *	Family Studies	19.0701	Human Development and Family Studies, General.
1309.00 *	Gerontology	19.0702	Adult Development and Aging.
1399.00 *	Other Family and Consumer Sciences	19.9999	Family and Consumer Sciences/Human Sciences, Other.
1401.00	Law, General	22.0000	Legal Studies, General.
1402.00 *	Paralegal	22.0302	Legal Assistant/Paralegal.
1499.00	Other Law	22.9999	Legal Professions and Studies, Other.
1501.00	English	23.0101	English Language and Literature, General.
1501.10	Linguistics	16.0102	Linguistics.
1502.00	Language Arts	23.9999	English Language and Literature/Letters, Other.
1503.00	Comparative Literature	16.0104	Comparative Literature.
1504.00	Classics	16.1200	Classics and Classical Languages, Literatures, and Linguistics, General.

1506.00	Speech Communication	09.0101	Speech Communication and Rhetoric.
1507.00	Creative Writing	23.1302	Creative Writing.
1509.00	Philosophy	38.0101	Philosophy.
1510.00	Religious Studies	38.0201	Religion/Religious Studies.
1520.00	Reading	23.0101	English Language and Literature, General.
1599.00	Other Humanities	24.0199	Liberal Arts and Sciences, General Studies and Humanities, Other.
1601.00	Library Science, General	25.0101	Library and Information Science.
1602.00 *	Library Technician (Aide)	25.0301	Library and Archives Assisting.
1699.00	Other Library Science	25.9999	Library Science, Other.
1701.00	Mathematics, General	27.0101	Mathematics, General.
1702.00	Mathematics Skills	27.0199	Mathematics, Other.
1799.00	Other Mathematics	27.9999	Mathematics and Statistics, Other.
1801.00	Military Science	28.0599	Military Science and Operational Studies, Other.
1899.00	Other Military Studies	28.9999	Military Science, Leadership and Operational Art, Other.
1901.00	Physical Sciences, General	40.0101	Physical Sciences.
1902.00	Physics, General	40.0801	Physics, General.
1905.00	Chemistry, General	40.0501	Chemistry, General.
1911.00	Astronomy	40.0201	Astronomy.
1914.00	Geology	40.0601	Geology/Earth Science, General.
1919.00	Oceanography	40.0607	Oceanography, Chemical and Physical.
1920.00 *	Ocean Technology	41.9999	Science Technologies/Technicians, Other.
1930.00	Earth Science	40.0601	Geology/Earth Science, General.
1999.00	Other Physical Sciences	40.9999	Physical Sciences, Other.
2001.00	Psychology, General	42.0101	Psychology, General.
2003.00	Behavioral Science	42.9999	Psychology, Other.
2099.00	Other Psychology	42.9999	Psychology, Other.
2102.00 *	Public Administration	44.0401	Public Administration.
2102.10 *	Public Works	46.9999	Construction Trades, Other.
2104.00 *	Human Services	44.0000	Human Services, General.
2104.40 *	Alcohol and Controlled Substances	51.1501	Substance Abuse/Addiction Counseling.

2104.50 *	Disability Services	44.9999	Public Administration and Social Service Professions, Other.
2105.00 *	Administration of Justice	43.0107	Criminal Justice/Police Science.
2105.20 *	Probation and Parole	43.0199	Corrections and Criminal Justice, Other.
2105.30 *	Industrial and Transportation Security	43.0301	Homeland Security.
2105.40 *	Forensics, Evidence, and Investigation	43.0106	Forensic Science and Technology.
2105.50 *	Police Academy	43.0107	Criminal Justice/Police Science.
2105.10 *	Corrections	43.0102	Corrections.
2133.00 *	Fire Technology	43.0201	Fire Prevention and Safety Technology/Technician.
2133.10 *	Wildland Fire Technology	43.0206	Wildland/Forest Firefighting and Investigation.
2133.50 *	Fire Academy	43.0203	Fire Science/Fire-fighting.
2140.00 *	Legal and Community Interpretation	16.0103	Language Interpretation and Translation.
2199.00 *	Other Public and Protective Services	44.9999	Public Administration and Social Service Professions, Other.
2201.00	Social Sciences, General	45.0101	Social Sciences, General.
2201.10	Women's Studies	05.0207	Women's Studies.
2201.20	American Studies	05.0102	American/United States Studies/Civilization.
2202.00	Anthropology	45.0201	Anthropology.
2202.20	Archaeology	45.0301	Archeology.
2203.00	Ethnic Studies	05.0200	Ethnic Studies.
2204.00	Economics	45.0601	Economics, General.
2205.00	History	54.0101	History, General.
2206.00	Geography	45.0701	Geography.
2206.10 *	Geographic Information Systems	45.0799	Geography, Other.
2207.00	Political Science	45.1001	Political Science and Government, General.
2207.10	Student Government	45.1001	Political Science and Government, General.
2208.00	Sociology	45.1101	Sociology.
2210.00	International Studies	45.0901	International Relations and Affairs.
2210.10	Area Studies	05.0199	Area Studies, Other.

2299.00	Other Social Sciences	45.9999	Social Sciences, Other.
3007.00 *	Cosmetology and Barbering	12.0401	Cosmetology/Cosmetologist, General.
3008.00 *	Dry Cleaning	19.0999	Apparel and Textiles, Other.
3009.00 *	Travel Services and Tourism	52.1905	Tourism and Travel Services Marketing Operations.
3020.00 *	Aviation and Airport Management and Services	49.0104	Aviation/Airway Management and Operations.
3020.10 *	Aviation and Airport Management	49.0104	Aviation/Airway Management and Operations.
3020.20 *	Piloting	49.0102	Airline/Commercial/Professional Pilot and Flight Crew.
3020.30 *	Air Traffic Control	49.0105	Air Traffic Controller.
3020.40 *	Flight Attendant	49.0106	Airline Flight Attendant.
3099.00 *	Other Commercial Services	12.9999	Personal and Culinary Services, Other.
4901.00	Liberal Arts and Sciences, General	24.0101	Liberal Arts and Sciences/Liberal Studies.
4901.10	Transfer Studies	24.0101	Liberal Arts and Sciences/Liberal Studies.
4901.20	Liberal Studies	24.0101	Liberal Arts and Sciences/Liberal Studies.
4902.00	Biological and Physical Sciences (and Mathematics)	30.0101	Biological and Physical Sciences.
4903.00	Humanities	24.0103	Humanities/Humanistic Studies.
4903.10	Humanities and Fine Arts	24.0103	Humanities/Humanistic Studies.
4903.30	Humanities and Social Sciences	24.0103	Humanities/Humanistic Studies.
4930.00	General Studies	24.0102	General Studies.
4930.09	Supervised Tutoring	32.0108	Developmental/Remedial English.
4930.10	Guidance	32.0105	Job-Seeking/Changing Skills.
4930.11	Interpersonal Skills	35.0101	Interpersonal and Social Skills, General.
4930.12	Job Seeking/Changing Skills	32.0105	Job-Seeking/Changing Skills.
4930.13	Academic Guidance	32.0105	Job-Seeking/Changing Skills.
4930.14	Study Skills	32.0199	Basic Skills and Developmental/Remedial Education, Other.

4930.30	Learning Skills, Handicapped	32.0199	Basic Skills and Developmental/Remedial Education, Other.
4930.31	Living Skills, Handicapped	32.0199	Basic Skills and Developmental/Remedial Education, Other.
4930.32	Learning Skills, Learning Disabled	32.0199	Basic Skills and Developmental/Remedial Education, Other.
4930.33	Learning Skills, Speech Impaired	32.0199	Basic Skills and Developmental/Remedial Education, Other.
4930.60	Adult Basic Education (Grades 1-8)	32.0101	Basic Skills and Developmental/Remedial Education, General.
4930.62	High School Diploma Program/GED	53.0201	High School Equivalence Certificate Program.
4930.72	Skill Development	32.0108	Developmental/Remedial English.
4930.84	English as a Second Language – Writing	32.0108	Developmental/Remedial English.
4930.85	English as a Second Language – Reading	32.0108	Developmental/Remedial English.
4930.86	English as a Second Language – Speaking/Listening	32.0108	Developmental/Remedial English.
4930.87	English as a Second Language – Intergrated	32.0108	Developmental/Remedial English.
4930.90	Citizenship (and ESL Civics)	33.0102	American Citizenship Education.
4931.00 *	Vocational ESL	32.0109	Second Language Learning.
4932.00 *	General Work Experience	32.0105	Job-Seeking/Changing Skills.
4999.00	Other Interdisciplinary Studies	30.9999	Multi-/Interdisciplinary Studies, Other.

FOOTNOTES:

TOP Code

0109.10 *	All Golf Course and Sports Turf Management [under TOP 0109.10] should be reported under new CIP 31.0302 Golf Course Operation and Grounds Management.

0430.00	*	All Computational Biology [under TOP 0430.00] should be reported under new CIP 26.1104 Computational Biology.
0706.00		All Computational Science [under TOP 0706.00] should be reported under new CIP 30.3001 Computational Science.
0708.00	*	All Computer Security [under 0708.00] should be report under CIP 11.1003 Computer and Information Systems Security/Information Assurance.
0708.10	*	All Computer Security [under 0708.10] should be report under CIP 11.1003 Computer and Information Systems Security/Information Assurance.
0708.20	*	All Computer Security [under 0708.20] should be report under CIP 11.1003 Computer and Information Systems Security/Information Assurance.
0709.00	*	All Computer Security [under 0709.00] should be report under CIP 11.1003 Computer and Information Systems Security/Information Assurance.
0835.00	*	All Kinesiology programs should be moved to TOP 1270.00.
0935.00	*	All Mechatronics program should be moved to TOP 0935.00.
0956.30	*	All Computer Numerically Controlled (CNC) Machinist [under TOP 0956.30] should be reported under new CIP 48.0510 Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist.
1002.00		All Art History [under TOP 1002.00] should be reported under CIP 50.0703 Art History, Criticism and Conservation.
1004.00		All Musical Theater [under TOP 1004.00] should be reported under new CIP 50.0509 Musical Theatre.
1005.00	*	All Musical Theater [under TOP 1005.00] should be reported under new CIP 50.0509 Musical Theatre.
1006.00	*	All Costume [under TOP 1006.00] should be reported under new CIP 50.0510 Costume Design.
1007.00		All Costume [under TOP 1007.00] should be reported under new CIP 50.0510 Costume Design. All Musical Theater [under TOP 1007.00] should be reported under new CIP 50.0509 Musical Theatre.
1008.00		All Musical Theater [under TOP 1008.00] should be reported under new CIP 50.0509 Musical Theatre.
1270.00		All Kinesiology [under TOP 1270.00] should be reported under CIP 31.0505 Kinesiology and Exercise Science.
1303.00	*	All Costume [under TOP 1303.00] should be reported under new CIP 50.0510 Costume Design.

1303.10	*	All Costume [under TOP 1303.10] should be reported under new CIP 50.0510 Costume Design.
1307.30	*	All Golf Course and Sports Turf Management [under TOP 1307.30] should be reported under new CIP 31.0302 Golf Course Operation and Grounds Management. All Casino Management [under TOP 1307.30] should be reported under new CIP 52.0908 Casino Management.

APPENDIX C

ALPHABETICAL INDEX OF T.O.P. TITLES

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Accounting, 11
Adapted Physical Education, 20
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Advertising, 12
Aeronautical and Aviation Technology, 24
African Languages (Non-Semitic), 32
Agricultural Pest Control Advisor and Operator (Licensed), 1
Agricultural Power Equipment Technology, 3
Agriculture Business, Sales, and Service, 2
Agriculture Technology and Sciences, General, 1
Air Traffic Control, 61
Aircraft Electronics (Avionics), 24
Aircraft Fabrication, 24
Alcohol and Controlled Substances, 57
Alternative Fuels and Advanced Transportation Technology, 23
American Studies, 59
Anatomy and Physiology, 9
Animal Science, 1
Animation, 16
Anthropology, 59
Appliance Repair, 22
Applied Design, 29
Applied Photography, 30
Aquatics and Lifesaving, 20
Arabic, 31
Archaeology, 59
Architectural Drafting, 25
Architecture and Architectural Technology, 5
Area Studies, 60
Art (Painting, Drawing, and Sculpture), 29
Artificial Inseminator (Licensed), 1
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Athletic Training and Sports Medicine, 35
Automotive Collision Repair, 23
Automotive Technology, 23
Aviation Airframe Mechanics, 24
Aviation and Airport Management, 61
Aviation and Airport Management and Services, 61
Aviation Powerplant Mechanics, 24
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Behavioral Science, 55
Biological and Physical Sciences (and Mathematics), 63
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Biomedical Instrumentation, 22
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Business Administration, 11
Business and Commerce, General, 11
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Cardiovascular Technician, 34
Carpentry, 24
Ceramics, 29
Certified Nurse Assistant, 36
Chemical Technology, 26
Chemistry, General, 53
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Civil and Construction Management Technology, 27
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Culinary Arts, 41
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Dairy Science, 1
Dance, 29
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Dental Laboratory Technician, 37
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Diesel Technology, 23
Dietetic Services and Management, 41
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Drafting Technology, 25
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Electrical, 24
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Emergency Medical Services, 37
Energy Systems Technology, 22
Engineering Technology, General (requires Trigonometry), 21
Engineering, General (requires Calculus) *(Transfer)*, 21
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Family Studies, 41
Fashion, 39
Fashion Design, 39

Fashion Merchandising, 39
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Filipino, 32
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Flight Attendant, 61
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Food Processing and Related Technologies, 2
Foreign Languages, General, 31
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Forestry, 2
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French, 31
General Studies, 63
General Work Experience, 64
Geographic Information Systems, 59
Geography, 59
Geolog, 53
German, 31
Gerontology, 41
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Graphic Art and Design, 30
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Health Education, 20
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Health Occupations, General, 33
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Hebrew, 31
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Home Health Aide, 36
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Hospital and Health Care Administration, 33
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Hospitality, 41
Human Services, 57
Humanities, 63
Humanities and Fine Arts, 63
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Industrial Arts *(Transfer)*, 20
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Laboratory Science Technology, 26
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Landscape Design and Maintenance, 2
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Law, General, 43
Learning Skills, Handicapped, 64
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Logistics and Materials Transportation, 12
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Manufacturing and Industrial Technology, 26
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Masonry, Tile, Cement, and Lath and Plaster, 25
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Medical Assisting, 33
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Nursery Technology, 2
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Nutrition, Foods, and Culinary Arts, 40
Occupational Therapy Technology, 34
Ocean Technology, 53
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Office Technology/Office Computer Applications, 13
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Orthopedic Assistant, 34
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Other Biological Sciences, 9
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Other Foreign Languages, 32
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Painting, Decorating, and Flooring, 25
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Paramedic, 37
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Parks and Outdoor Recreation, 2
Petroleum Technology, 26
Pharmacy Technology, 35
Philosophy, 45
Phlebotomy, 33
Photography, 30
Physical Education, 19

Physical Fitness and Body Movement, 19
Physical Sciences, General, 53
Physical Therapist Assistant, 35
Physicians Assistant, 33
Physics, General, 53
Piloting, 61
Plant Science, 1
Plastics and Composites, 26
Plumbing, Pipefitting, and Steamfitting, 24
Police Academy, 58
Political Science, 60
Polysomnography, 34
Portuguese, 32
Preschool Age Children, 40
Printing and Lithography, 22
Probation and Parole, 57
Psychiatric Technician, 36
Psychology, General, 55
Public Administration, 57
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Radio and Television, 15
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School Health Clerk, 35
Sculpture, 29
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Skill Development, 64
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Social Sciences, General, 59
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Surgical Technician, 34
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Technical Communication, 15
Technical Illustration, 26
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Telecommunications Technology, 21
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Upholstery Repair–Automotive, 23
Vacuum Technology, 22
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Website Design and Development, 16
Welding Technology, 26
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